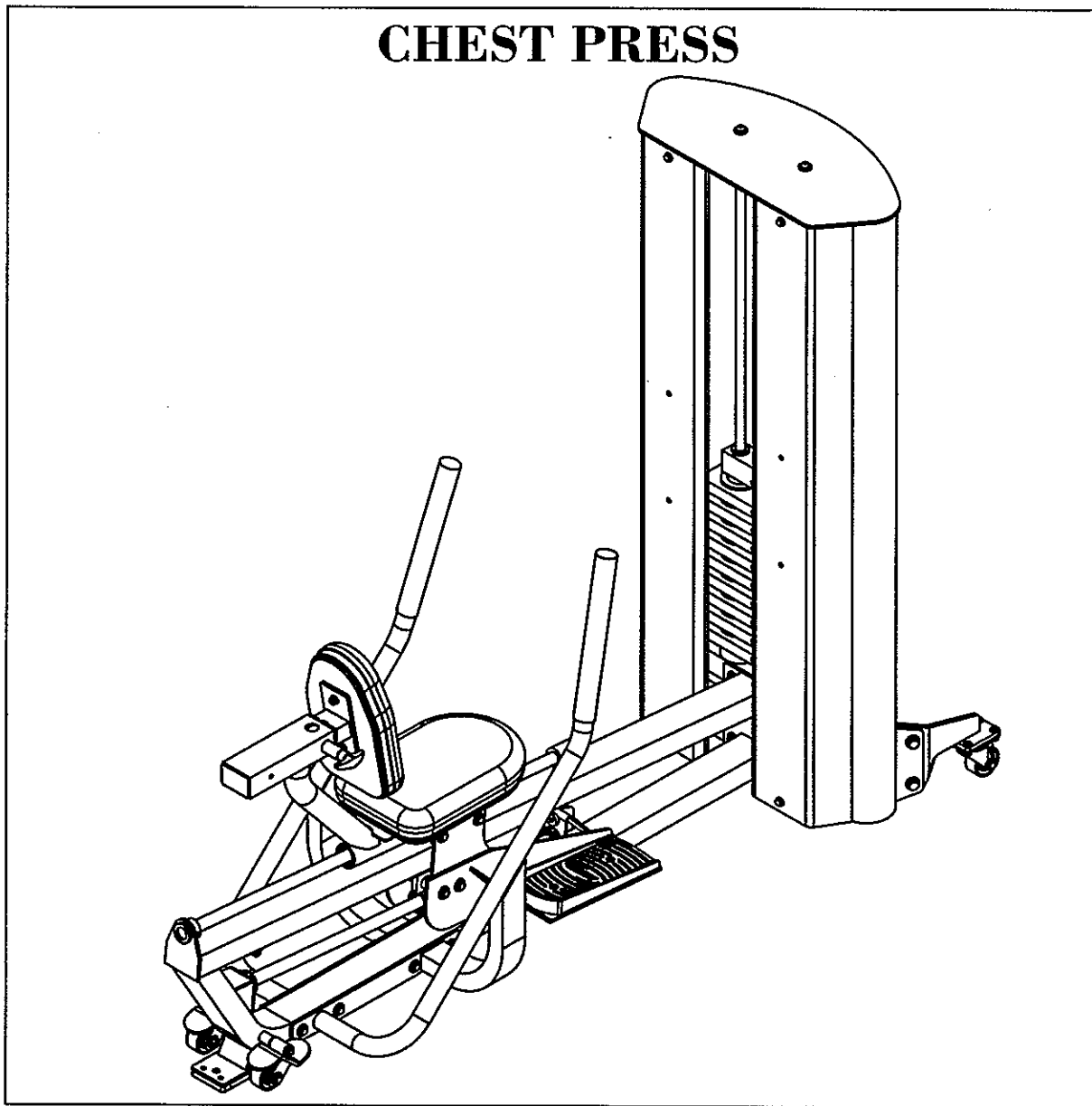


OWNERS MANUAL



KL2301

CHEST PRESS



Note: Both Serial Number and Model Number are Required when Ordering Parts

RECORD SERIAL NUMBER HERE

Customer Service

(800) 548-5438

(858) 578-7676

Fax

(858) 578-9558

JANUARY, 2003

OWNERS MANUAL

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OWNERS MANUAL

Step 1 INSTRUCTIONS

Before beginning assembly please take the time to read the instructions thoroughly. Please use the various lists in this manual to make sure that all parts have been included in your shipment. When ordering, use the part number and description from the lists. Use only Hoist replacement parts when servicing. Failure to do so will void your warranty and could result in personal injury.

Hoist equipment is designed to provide the smoothest, most effective exercise motion possible. After assembly, you should check all functions to ensure correct operation. If you experience problems, first recheck the assembly instructions to locate any possible errors made during assembly. If you are unable to correct the problem, call your authorized Hoist dealer. Be sure to have your serial number and this manual when calling. When all parts have been accounted for, continue on.

TOOLS REQUIRED

Socket Wrench

Snap Ring Pliers

1/2", 9/16" and 3/4" Sockets

3/4" Open end Wrench

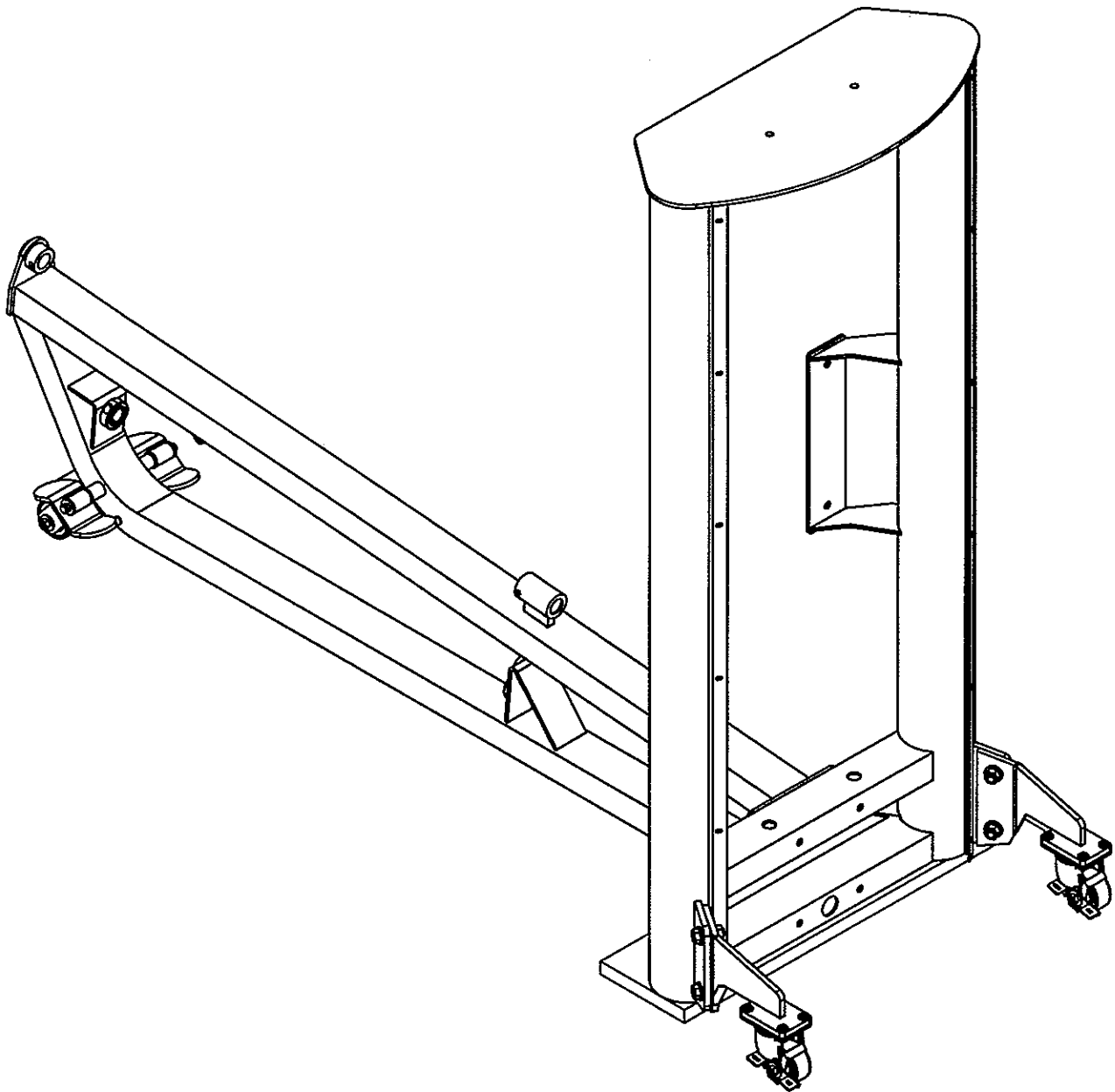
Crescent Wrench

Rubber mallet

Tape Measure

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KL OPT-01 ASSEMBLY



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Step 2a

KL OPT-01 ASSEMBLY

Start assembly by placing (1) onto (16) for balance and stability. Next attach (14)'s to (7) and (8) wrench tighten. Now attach (7) and (8) to (1). Wrench tighten bolts.

Part Descriptions

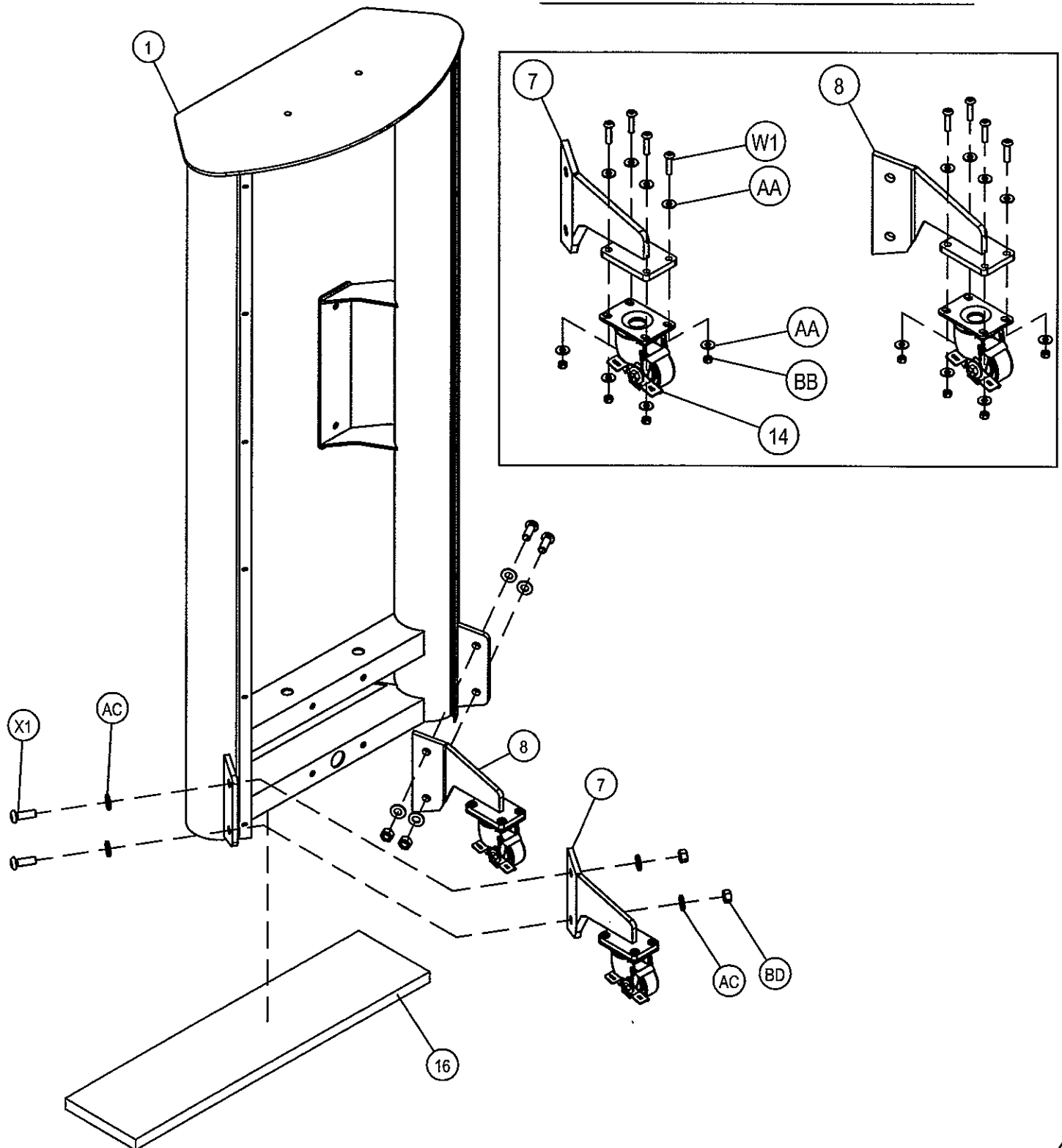
- 1 - Weight Cage Frame Assembly
- 7 - Right Leg Wheel Assembly
- 8 - Left Leg Wheel Assembly
- 14 - Swivel Wheel
- 16 - 0.75" x 7.00" x 25.00" Spacer

Hardware Descriptions

- X1 - 1/2"-13 x 1 1/4" BHB (WZ)
- W1 - 5/16"-18 x 7/8" BHB (WZ)
- AC - 1/2" SAE Flat Washer (WZ)
- AA - 5/16" SAE Flat Washer (WZ)
- BD - 1/2" Thin Lock Nut (WZ)
- BB - 5/16" Thin Lock Nut (WZ)

OWNERS MANUAL

KL OPT-01 ASSEMBLY



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Step 2b

KL OPT-01 ASSEMBLY

Start assembly by sliding (11) into (51) and secure it with (41)'s. Now slide (10) into (51). Before sliding (13)'s and (9)'s onto (10) make sure (9)'s are correctly orientated shown like the diagram. Once (13)'s and (9)'s are slid onto both sides of (10) secure it with (41)'s. Attach the danger decal to the top of the foot pad as shown. Failure to do so could result in serious injury or even death if the equipment is not operated properly. Hoist assumes no responsibility if decals are not in place.

Part Descriptions

- 9 - Wheel Assembly
- 10 - Wheel Axel (long)
- 11 - Wheel Axel (short)
- 13 - Ø0.516" I.D. Spacer
- 41 - Ø0.50" C-CLIP
- 51 - Main Frame Assembly

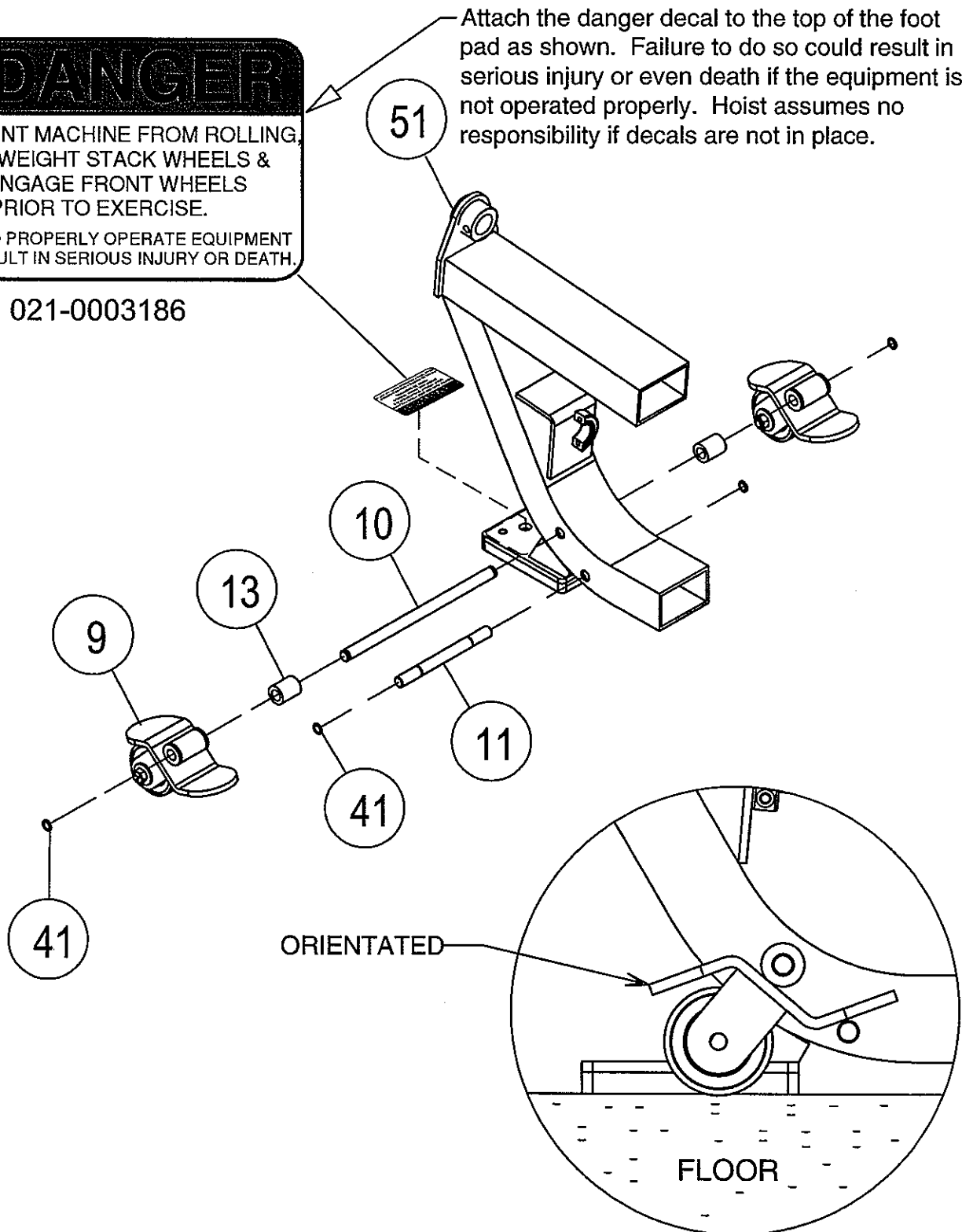
Hardware Descriptions

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! DANGER
TO PREVENT MACHINE FROM ROLLING,
LOCK WEIGHT STACK WHEELS &
DISENGAGE FRONT WHEELS
PRIOR TO EXERCISE.
FAILURE TO PROPERLY OPERATE EQUIPMENT
COULD RESULT IN SERIOUS INJURY OR DEATH.

021-0003186

Attach the danger decal to the top of the foot pad as shown. Failure to do so could result in serious injury or even death if the equipment is not operated properly. Hoist assumes no responsibility if decals are not in place.



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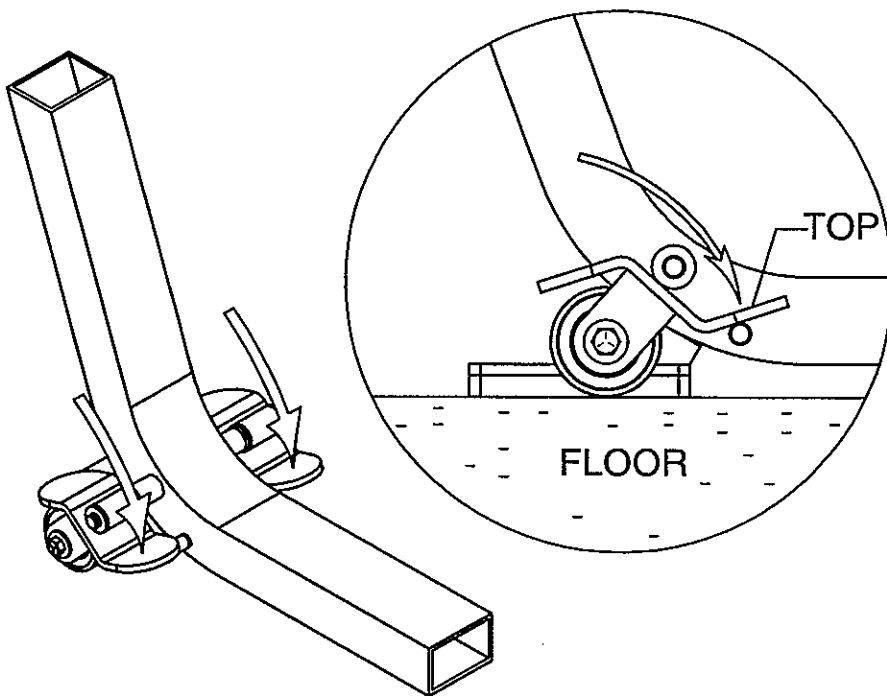
KL OPT-01 OPERATION

PARKED POSITION

To prevent machine from rolling, lock weight stack wheels prior to exercise.

Using foot;

Step down on top part of wheel rocker.

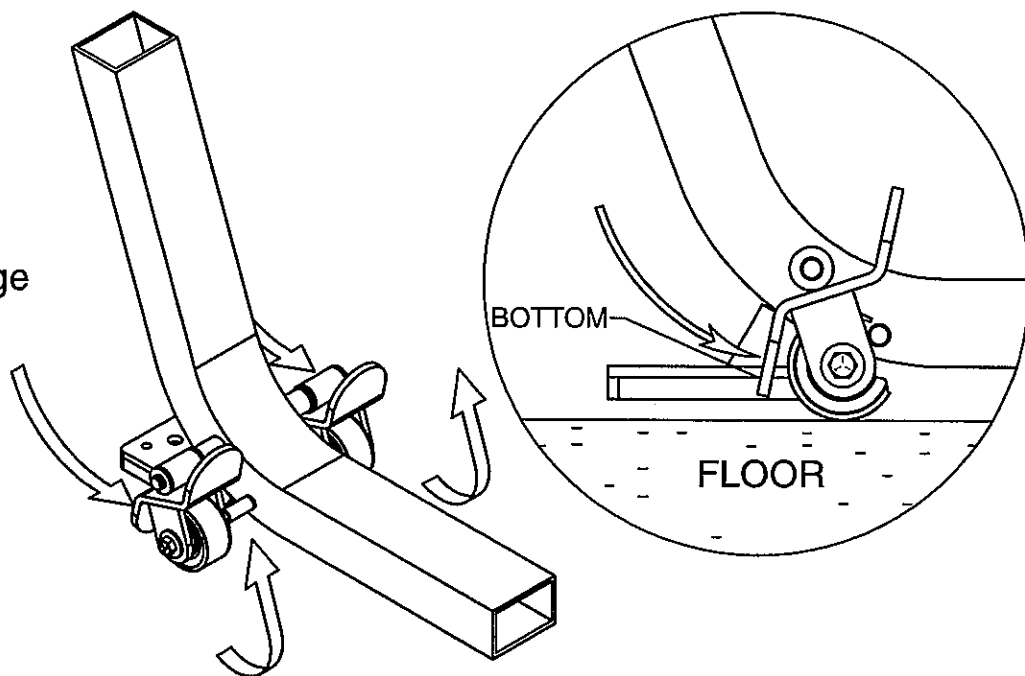


MOVE POSITION

To move machine engage wheels.

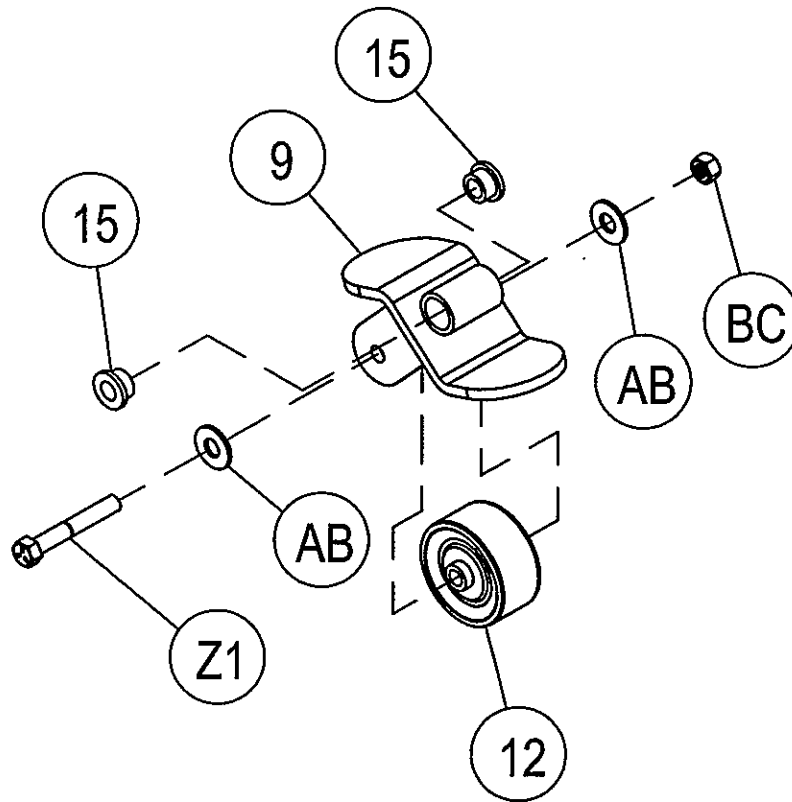
Using foot;

Step down on bottom part of wheel rocker.



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KL OP-01 PRE-ASSEMBLY



Part Descriptions

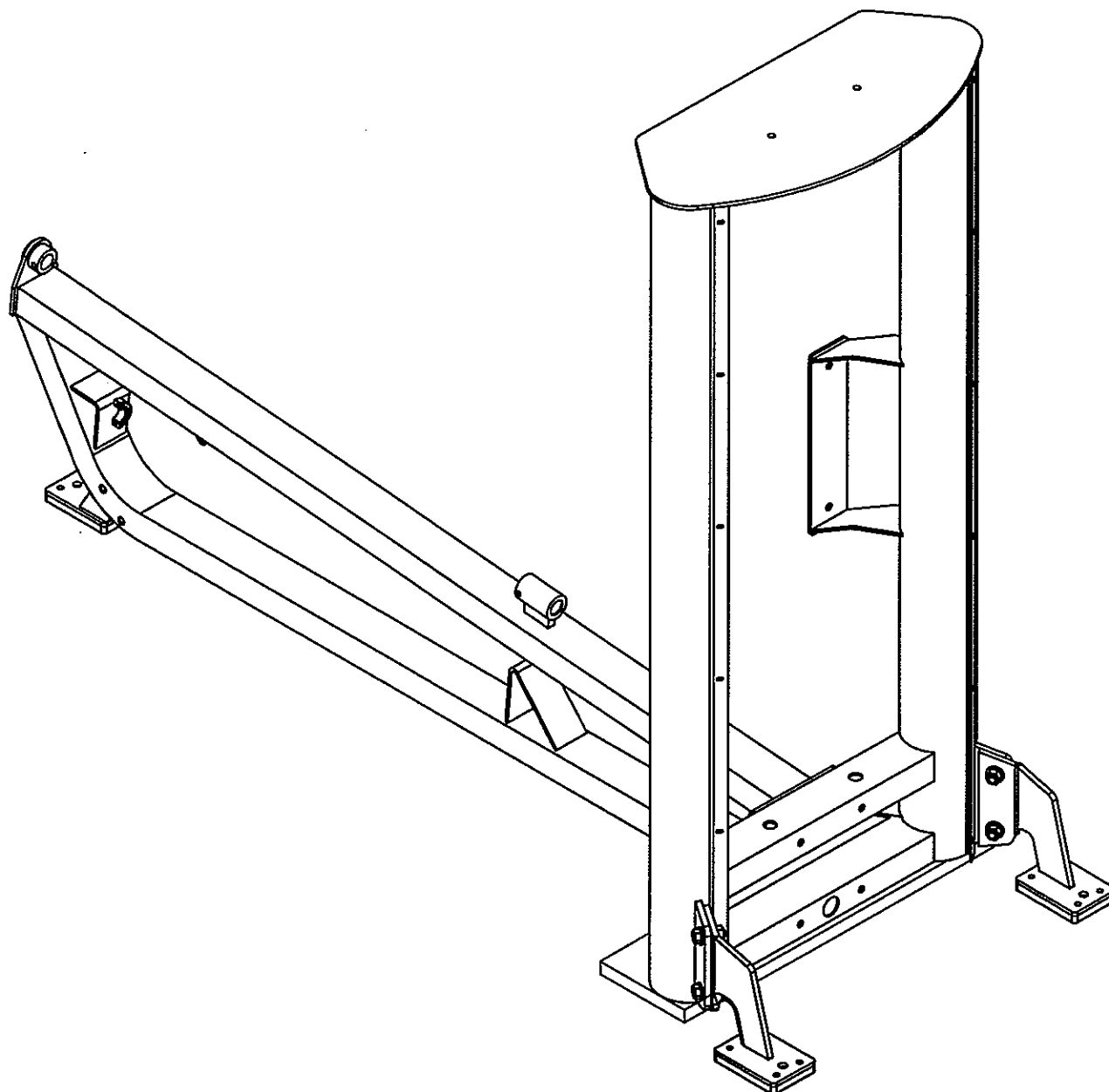
- 9 - Wheel Assembly
- 12 - Ø3" Polyurethane Wheel
- 15 - Ø0.50" I.D. Flange Oilite

Hardware Descriptions

- Z1 - 3/8"-16 x 2 3/4" HHB (WZ)
- AB - 3/8" USS Flat Washer (WZ)
- BC - 3/8" Thin Lock Nut (WZ)

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KL OPT-02 ASSEMBLY



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Step 2a

KL OPT-02 ASSEMBLY

Start assembly by placing (1) onto (16) for balance and stability. Next attach (CB)'s to (17) and (18) wrench tighten. Now attach (17) and (18) to (1). Wrench tighten bolts.

Part Descriptions

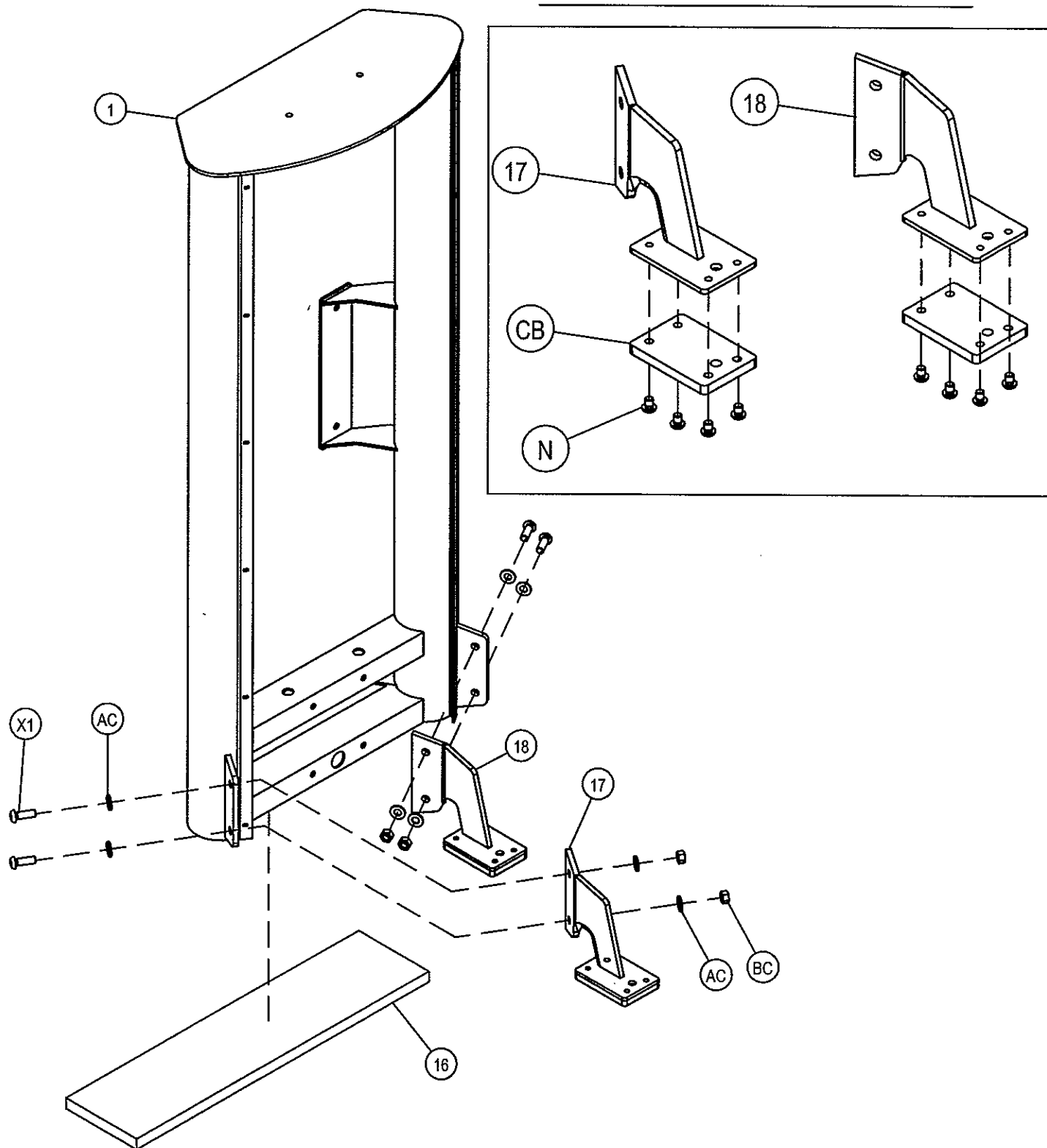
1 - Weight Cage Frame Assembly
16 - 0.75" x 7.00" x 25.00" Spacer
17 - Right Foot Assembly
18 - Left Foot Assembly

Hardware Descriptions

X1 - 1/2"-13 x 1 1/4" BHB (WZ)
N - 3/8-16 x 11.3mm BHS (WZ)
AC - 1/2" SAE Flat Washer (WZ)
BC - 1/2" Thin Lock Nut (WZ)
CB - SBR Rubber Foot Pad

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KL OPT-02 ASSEMBLY



OWNERS MANUAL

KL OPT-01 ASSEMBLY PART/HARDWARE LISTING

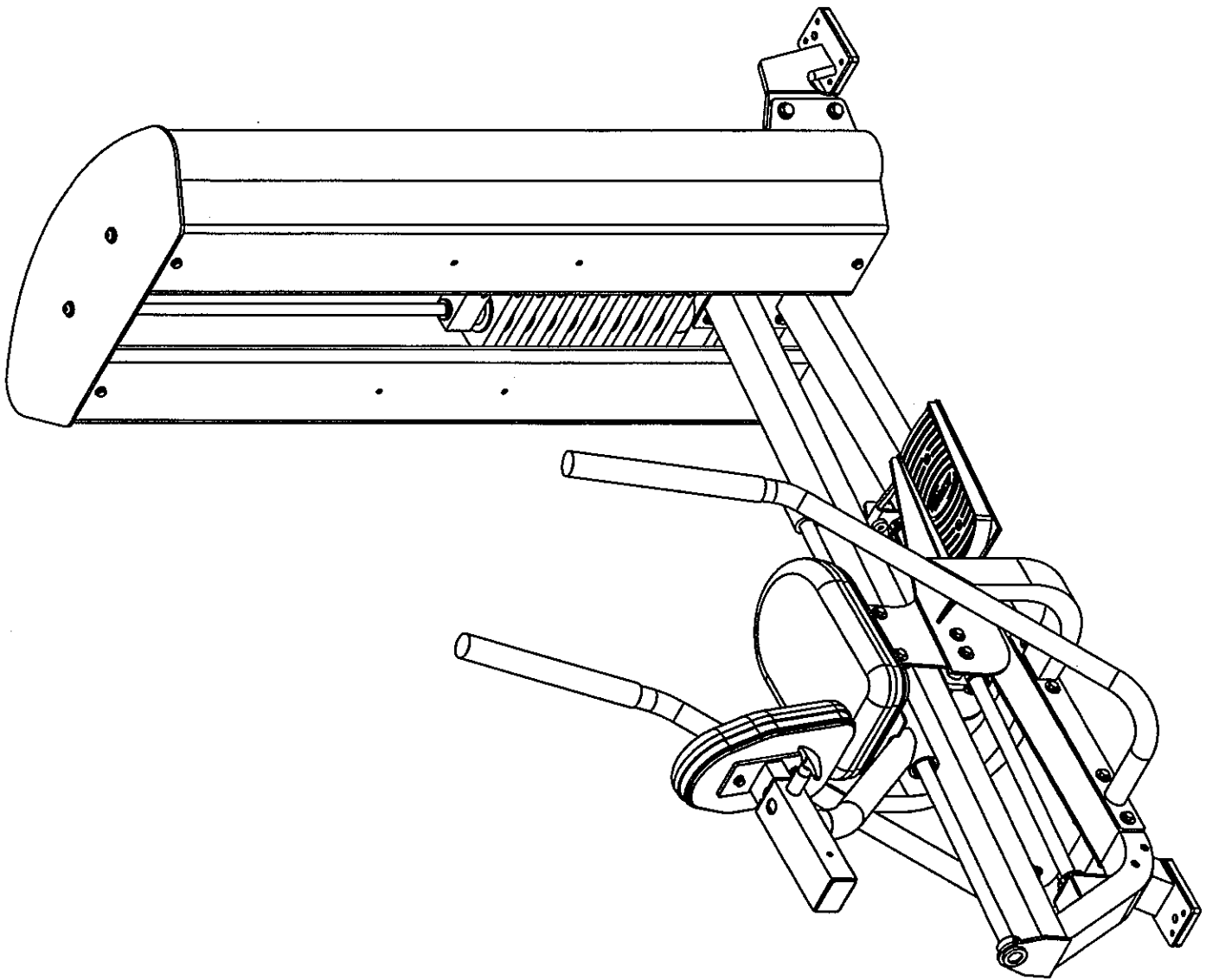
<u>Key#</u>	<u>Qty.</u>	<u>Part Number</u>	<u>Description</u>
7	1	026-01X1254	Right Leg Wheel Assembly
8	1	026-01X1255	Left Leg Wheel Assembly
9	2	026-01X1235	Wheel Assembly
10	1	026-01M0673	Wheel Axle (long)
11	1	026-01M0674	Wheel Axle (short)
12	2	020-0014026	Ø3.00" Polyurethane Wheel
13	2	026-01M0672	Ø0.516" I.D. Spacer
14	2	020-0014025	Swivel Wheel
15	4	014-0101002	Ø0.50" I.D. Flange Oilite
16	1	026-01PL355	0.75" x 7.00" x 25.00" Spacer
41	4	014-0015014	Ø0.50" C-Clip
51	1	026-01X1224	Main Frame Assembly
W1	8	011-0301037	5/16"-18 x 7/8" BHB (WZ)
X1	4	011-0101051	1/2"-13 x 1 1/4" BHB (WZ)
Z1	2	011-0007050	3/8"-16 x 2 3/4" HHB (WZ)
AA	16	013-0002001	5/16" SAE Flat Washer (WZ)
AB	4	013-0402005	3/8" USS Flat Washer (WZ)
AC	8	013-0102003	1/2" SAE Flat Washer (WZ)
BB	8	012-0102006	5/16" Thin Lock Nut (WZ)
BC	2	012-0104008	3/8" Thin Lock Nut (WZ)
BD	4	012-0304011	1/2" Thin Lock Nut (WZ)

KL OPT-02 ASSEMBLY PART/HARDWARE LISTING

16	1	026-01PL355	0.75" x 7.00" x 25.00" Spacer
17	1	026-01X1256	Right Foot Assembly
18	1	026-01X1257	Left Foot Assembly
X1	4	011-0101051	1/2"-13 x 1 1/4" BHB (WZ)
N	8	011-0201292	3/8"-16 x 11.3mm BHS (WZ)
AC	8	013-0102003	1/2" SAE Flat Washer (WZ)
BD	4	012-0304011	1/2" Thin Lock Nut (WZ)
CB	2	026-01PL350	SBR Rubber Foot Pad

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Step 3 FRAME ASSEMBLY



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Step 3a FRAME ASSEMBLY

Start by sliding (19)'s through (CF)'s and slide them both into (1). Tilt both (19)'s forward enough to allow room to slide the weights on. Slide (5)'s and (CD)'s one after another onto both (19)'s. Now slide (4) onto both (19)'s. Angle both (19)'s vertical and secure to (1) Wrench tighten bolts.

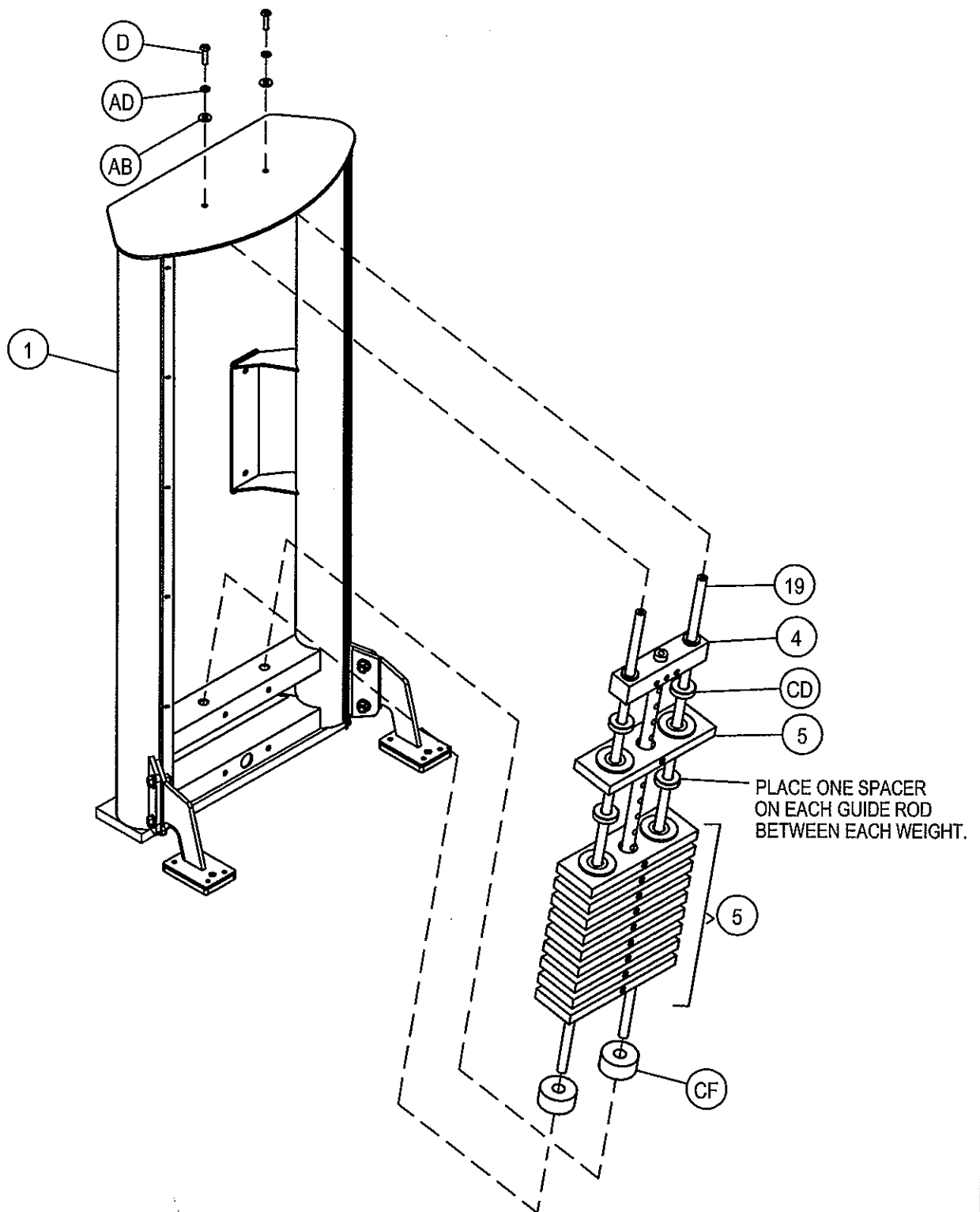
Part Descriptions

- 1 - Weight Cage Assembly
- 4 - 8.25 lb. Top Weight
- 5 - 12.50 lb. Intermediate Weight
- 19 - Ø0.75" x 51" Guide Rod

Hardware Descriptions

- D - 3/8"-16 x 1" BHS (WZ)
- AB - 3/8" USS Flat Washer (WZ)
- AD - 3/8" Split Lock Washer (WZ)
- CD - Weight Spacer
- CF - Weight Stack Bumper

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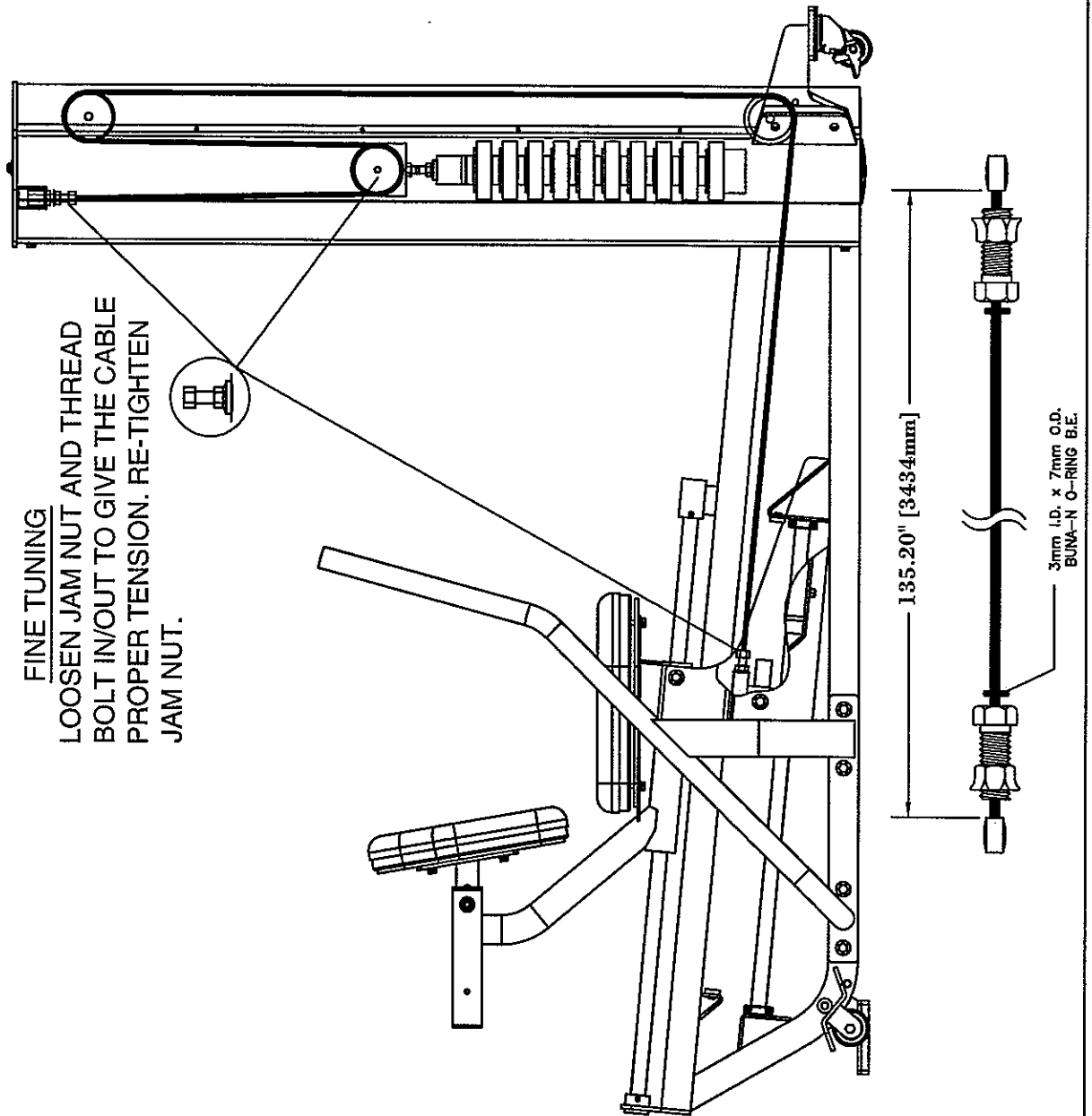
CABLE ASSEMBLY

WARNING:

CABLE BOLT MUST BE THREADED
A MINIMUM OF 1/2" INTO ITS RECEIVER
WITH JAM NUT TIGHTENED SECURELY TO
ENSURE PROPER CONNECTION.

FINE TUNING

LOOSEN JAM NUT AND THREAD
BOLT IN/OUT TO GIVE THE CABLE
PROPER TENSION. RE-TIGHTEN
JAM NUT.



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Step 3b

FRAME/CABLE ASSEMBLY

Start assembly by attaching (CB) to the foot of (51) wrench tighten. Next insert (CA) into (2) from the top end of (2) and out the upper hole of the bottom plate on (2). Attach (CH)'s while installing cable (CA) making sure it is seated in the pulley groove. Continue (CA) between the two bottom tubes of (1) and through the upper hole of the end plate on (51). Now attach (51) and (2) to (1). Wrench tighten bolts. Next attach (43) To (20). Then attach (CH) to (43), making sure that cable (CA) is seated in the pulley groove then attach the cable end to (1). Note - Where (43) threads into (20) is also a cable tensioning point. When adjusting cable (CA) tension, the pulley (CH) must be removed first.

Part Descriptions

- 1 - Weight Cage Frame Assembly
- 2 - Rear Supporter Frame Assembly
- 16 - 0.75" x 7.00" x 25.00" Spacer
- 20 - 11 Holes Stem
- 43 - Cable Anchor Adjuster
- 51 - Base Frame Assembly

Hardware Descriptions

- F - 3/8-16 x 2 1/2" HHB (WZ)
- J - 3/8-16 x 2 1/4" HHB (WZ)
- S - 3/8-16 x 1 3/4" HHB (WZ)
- N - 3/8-16 x 11.3mm BHB (WZ)
- R - 3/8-16 x 4" HHB (WZ)
- AB - 3/8" USS Flat Washer (WZ)
- BC - 3/8" Thin Lock Nut (WZ)
- CA - 135.20" lg. Cable
- CB - SBR Rubber Foot Pad
- CH - Ø3.50" Pulley
- CI - 1/2" Flanged Spacer

When finished with this step of assembly; remove and discard (16).

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Step 3c FRAME ASSEMBLY

Start by placing a finger of light grease (lithium, super lube, etc.) into the inside of the bearings in (52). Using your finger, press the grease into the ball-bearing and their tracks. Repeat until the ball-bearing tracks are full of grease. Next, carefully line up the (27) to (52). **DO NOT** force (27) thru (52), as this will damage the linear bearing in (52). When properly aligned, (27) will slide easily thru the bearings. Next attach the (27) to (51) and connect (CA) to (52). Wrench tighten all bolts.

Part Descriptions

27 - Ø25mm x 33.96" Linear Shaft
44 - Ø25mm Split Collar
51 - Base Frame Assembly
52 - Stabilizer Guide Assembly

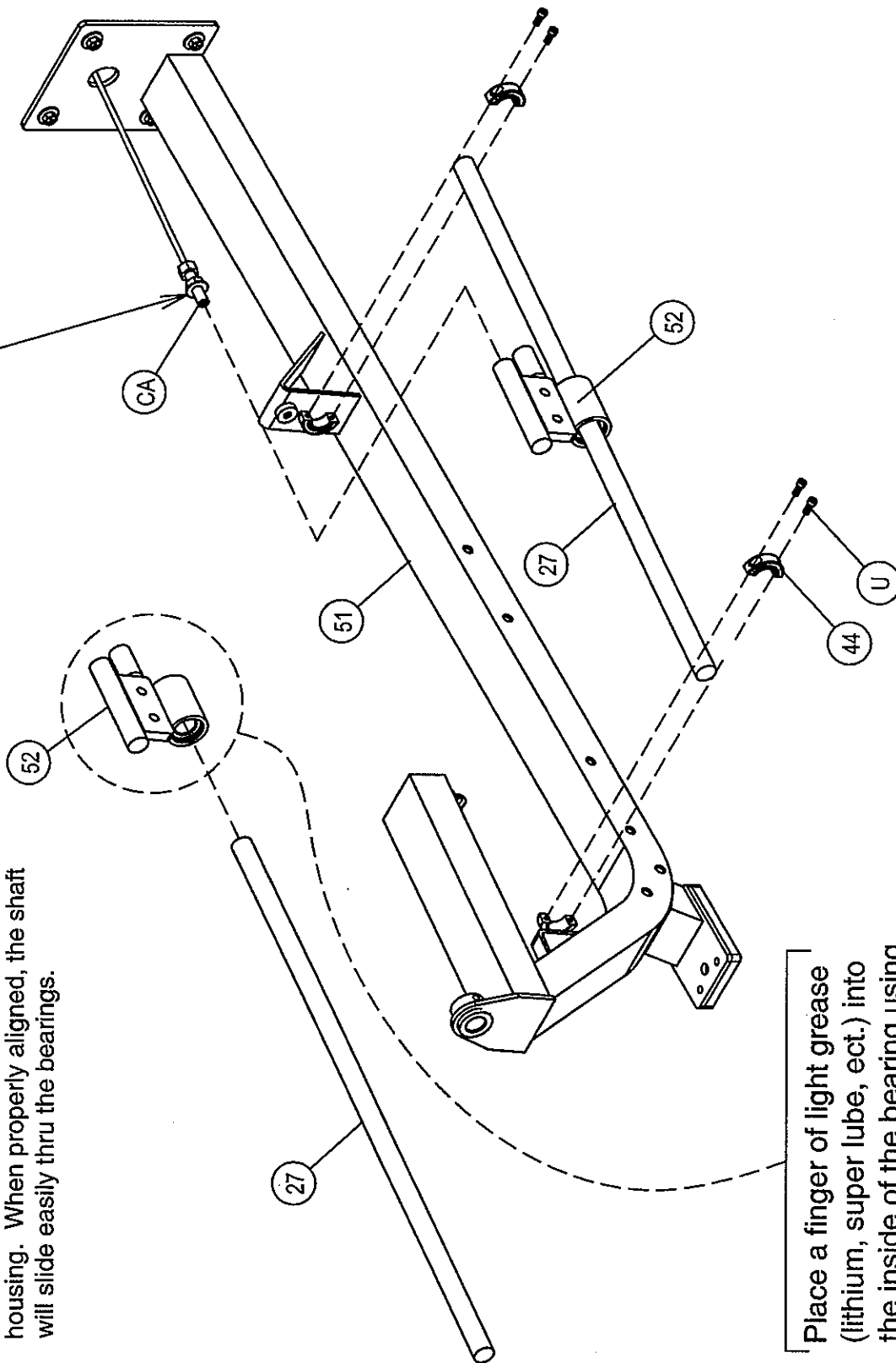
Hardware Descriptions

U - 1/4-20 x 3/4" SHS (BZ)
CA - 135.20" lg. Cable

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NOTE: Carefully line up the shafts with the linear bearings. Slowly and evenly slide the shaft thru the linear bearings. **DO NOT** force the shafts thru the linear bearings, as this will damage the linear bearings in the housing. When properly aligned, the shaft will slide easily thru the bearings.

Warning - Cable Bolt must be threaded a minimum of 1/2" into the stabilizer guide assembly with Jam Nut tightened securely to ensure proper connection.



Place a finger of light grease (lithium, super lube, ect.) into the inside of the bearing using your finger, press the grease into the ball-bearing and their tracks. Repeat until the ball-bearing tracks are full of grease.

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Step 3d FRAME ASSEMBLY

Start by ensuring the snap ring (W) inside (51) is on side closest to weight stack first. Place a finger of light grease (lithium, super lube, ect.) into the inside of the bearings (53). Using your finger, press the grease into the ball-bearings and their tracks. Repeat until the ball-bearing tracks are full of grease. Next insert (24) into (51) and leave a gap big enough for (53). And very carefully slide (53) onto (24). **DO NOT** force (24) through the linear bearings in (53) as this will damage them. When properly aligned, (24) will slide easily thru the bearings. Continue inserting shaft (24) until it is properly engaged in both shaft mounts then install snap rings (W), and wrench tighten set screws (V).

Part Descriptions

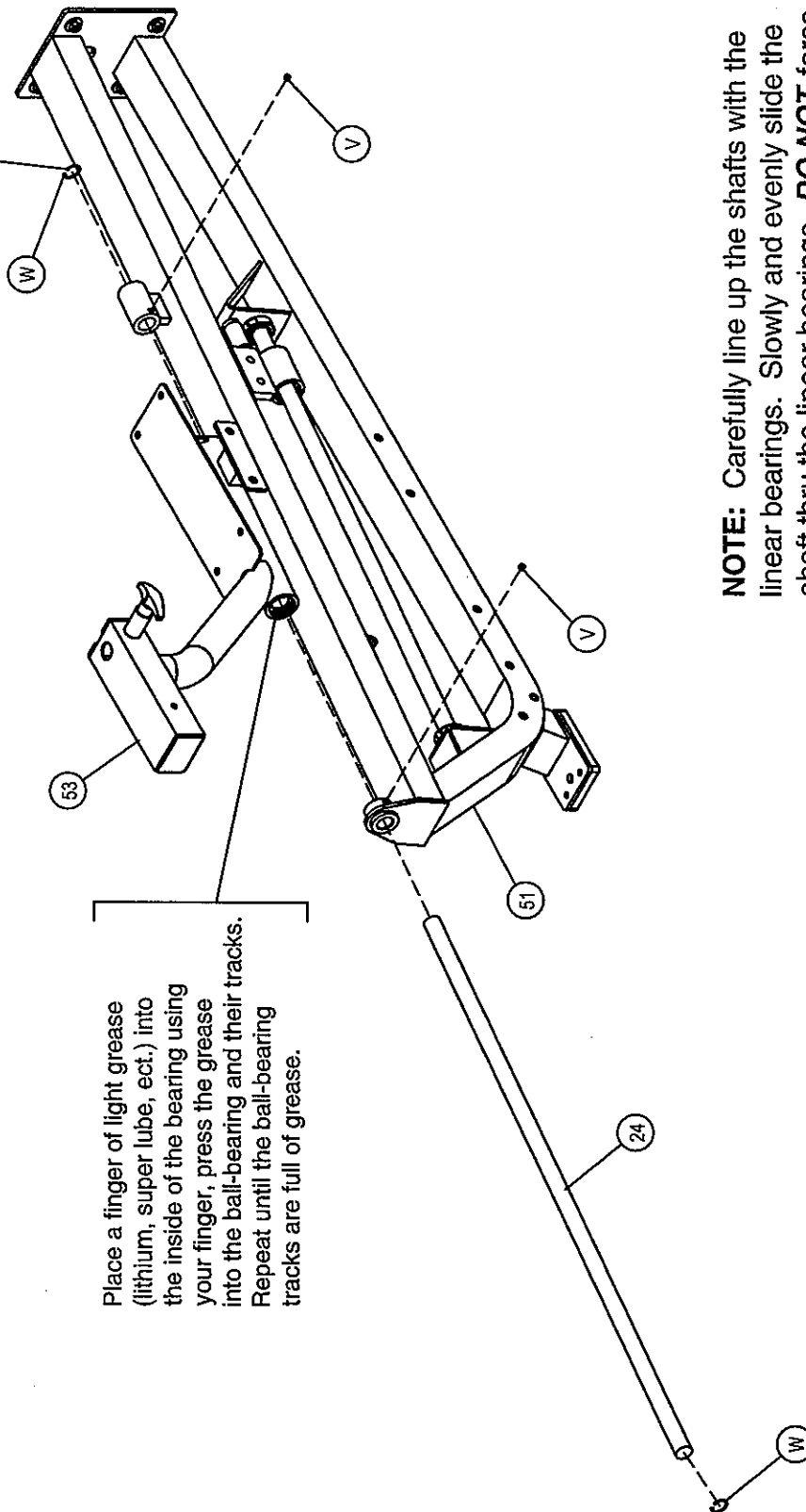
24 - Ø25mm x 43.15" Linear Shaft
51 - Base Frame Assembly
53 - Seat Frame Assembly

Hardware Descriptions

V - 5/16-18 UNC x 1/4" Set Screw
W - Snap Ring Ø27.9mm x 1.2mmT

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NOTE: Before installation,
insert one snap ring this side first.



Place a finger of light grease
(lithium, super lube, ect.) into
the inside of the bearing using
your finger, press the grease
into the ball-bearing and their tracks.
Repeat until the ball-bearing
tracks are full of grease.

NOTE: Carefully line up the shafts with the
linear bearings. Slowly and evenly slide the
shaft thru the linear bearings. **DO NOT** force
the shafts thru the linear bearings, as this
will damage the linear bearings in the
housing. When properly aligned, the shaft
will slide easily thru the bearings.

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Step 3e FRAME ASSEMBLY

Attach both (60) and (61) to both sides of (52) and (53). Wrench
tighten bolts.

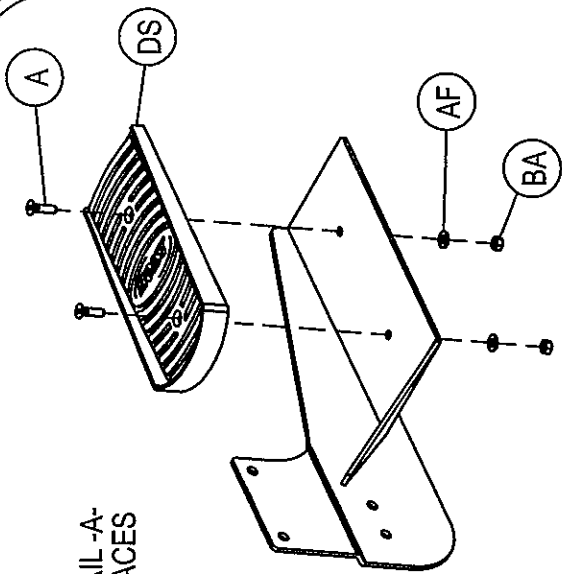
Part Descriptions

42 - Ø1.00" x 1.75" CRS Spacer
52 - Stabilizer Guide Assembly
53 - Seat Frame Assembly
60 - Left Foot Plate Assembly
61 - Right Foot Plate Assembly

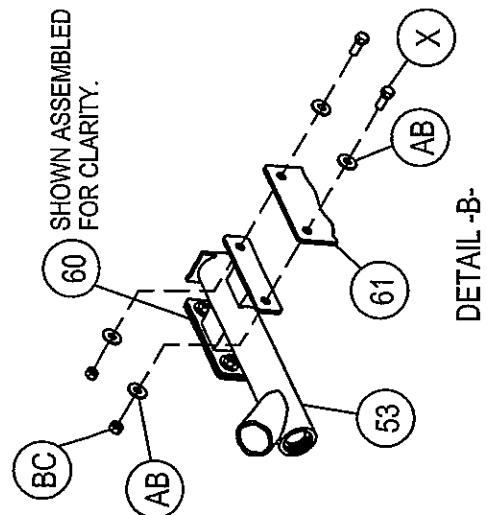
Hardware Descriptions

A - 5/16-18 x 1 1/4" FHS (BZ)
T - 3/8-16 x 5" HHB (WZ)
X - 3/8-16 x 1.00" HHB (WZ)
AB - 3/8" USS Flat Washer (WZ)
AF - 5/16" SAE Flat Washer (BZ)
BA - 5/16" Thin Lock Nut (BZ)
BC - 3/8" Thin Lock Nut (WZ)
DS - Molded Plastic Foot Plate

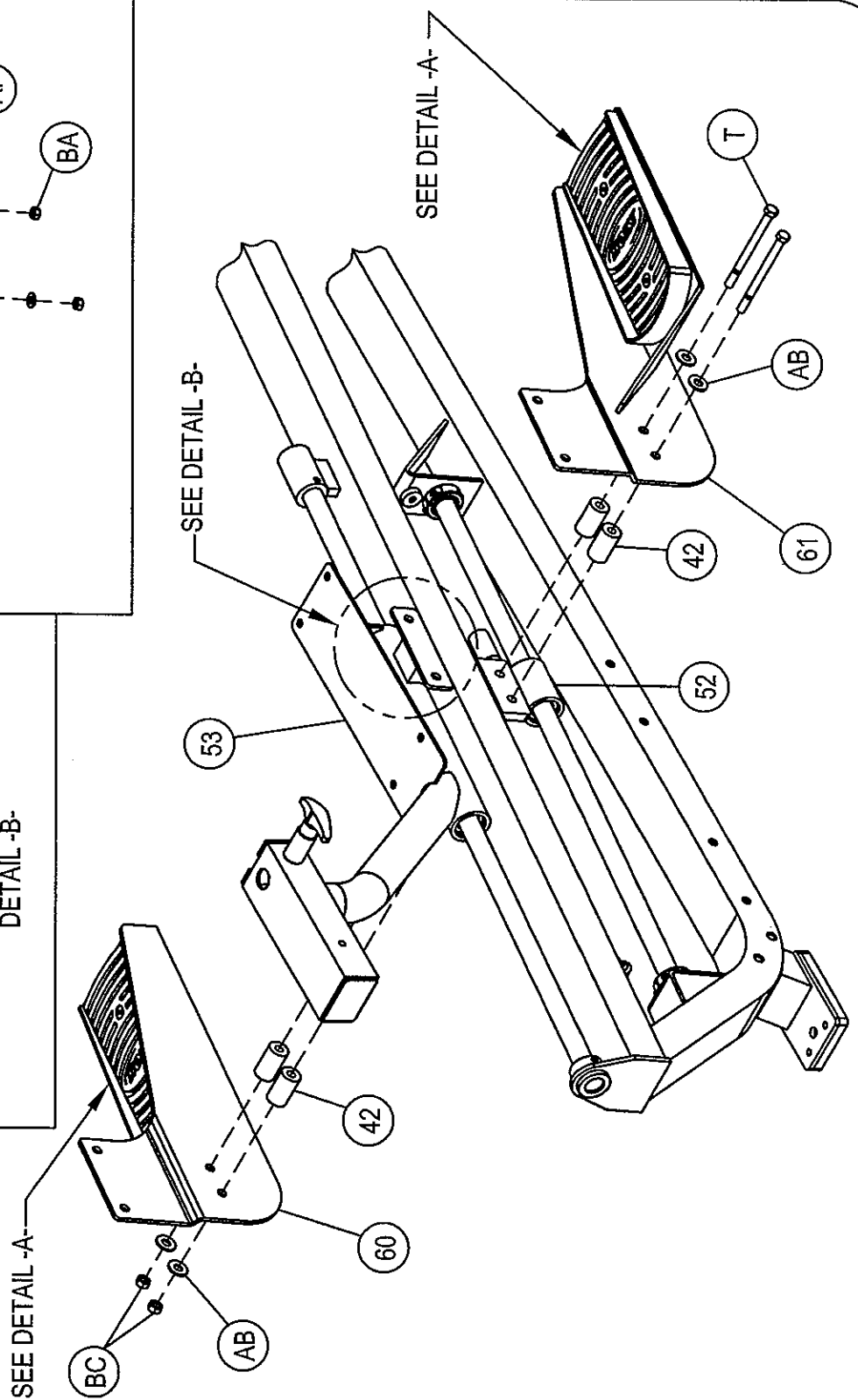
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DETAIL -A-
2 PLACES



DETAIL -B-



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Step 3f FRAME ASSEMBLY

Attach (57) and (58) to (51). Wrench tighten bolts.

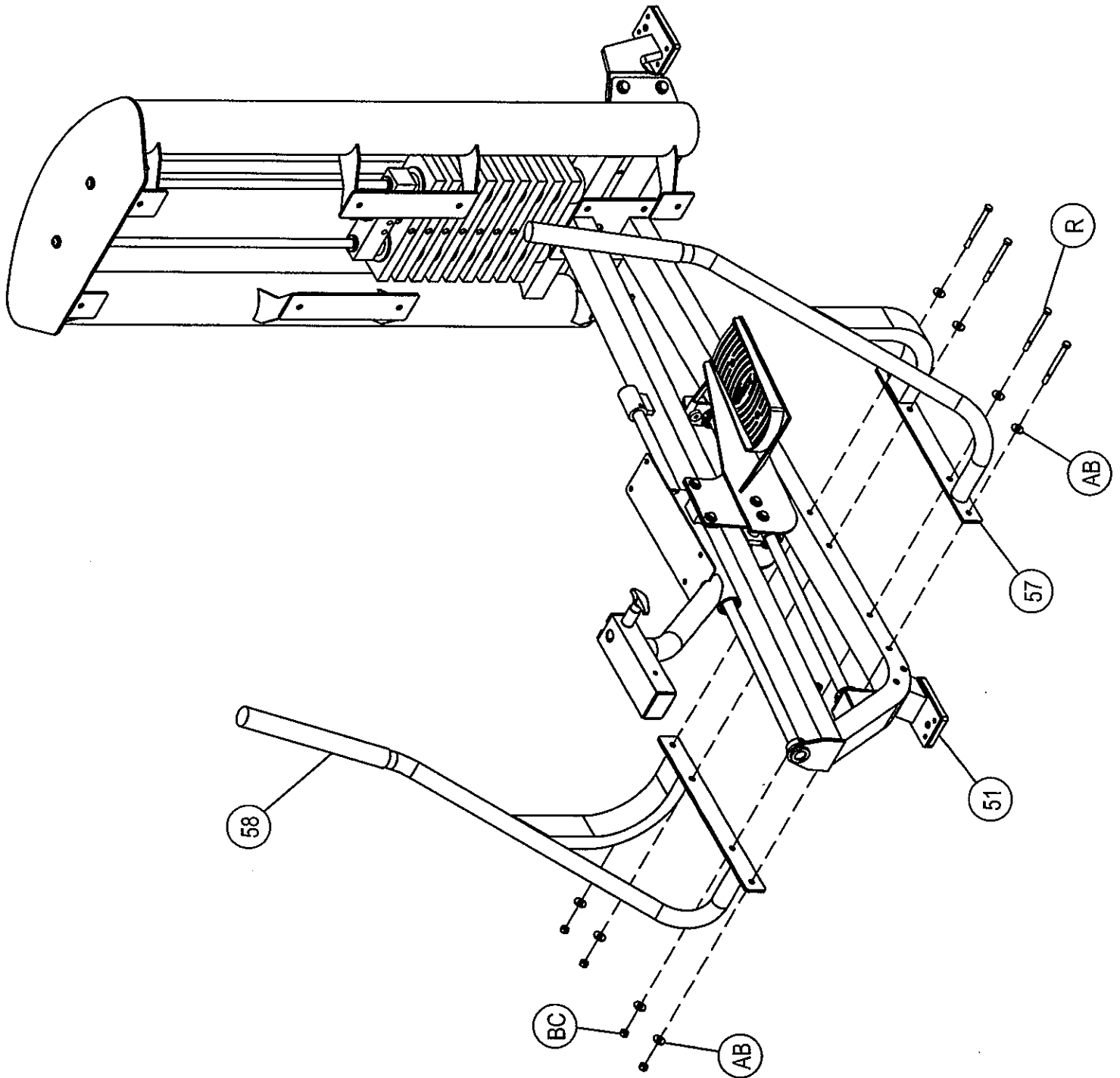
Part Descriptions

51 - Base Frame Assembly
57 - Right Arm Assembly
58 - Left Arm Assembly

Hardware Descriptions

R - 3/8-16 x 4" HHB (WZ)
AB - 3/8" USS Flat Washer (WZ)
BC - 3/8" Thin Lock Nut (WZ)

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Step 3g FRAME ASSEMBLY

Attach (34) to (53), and (36) to (56) as shown. Insert (56) into (53). Line up the slot in (56) to the welded nut on (53) and install (Y). Wrench tighten bolts.

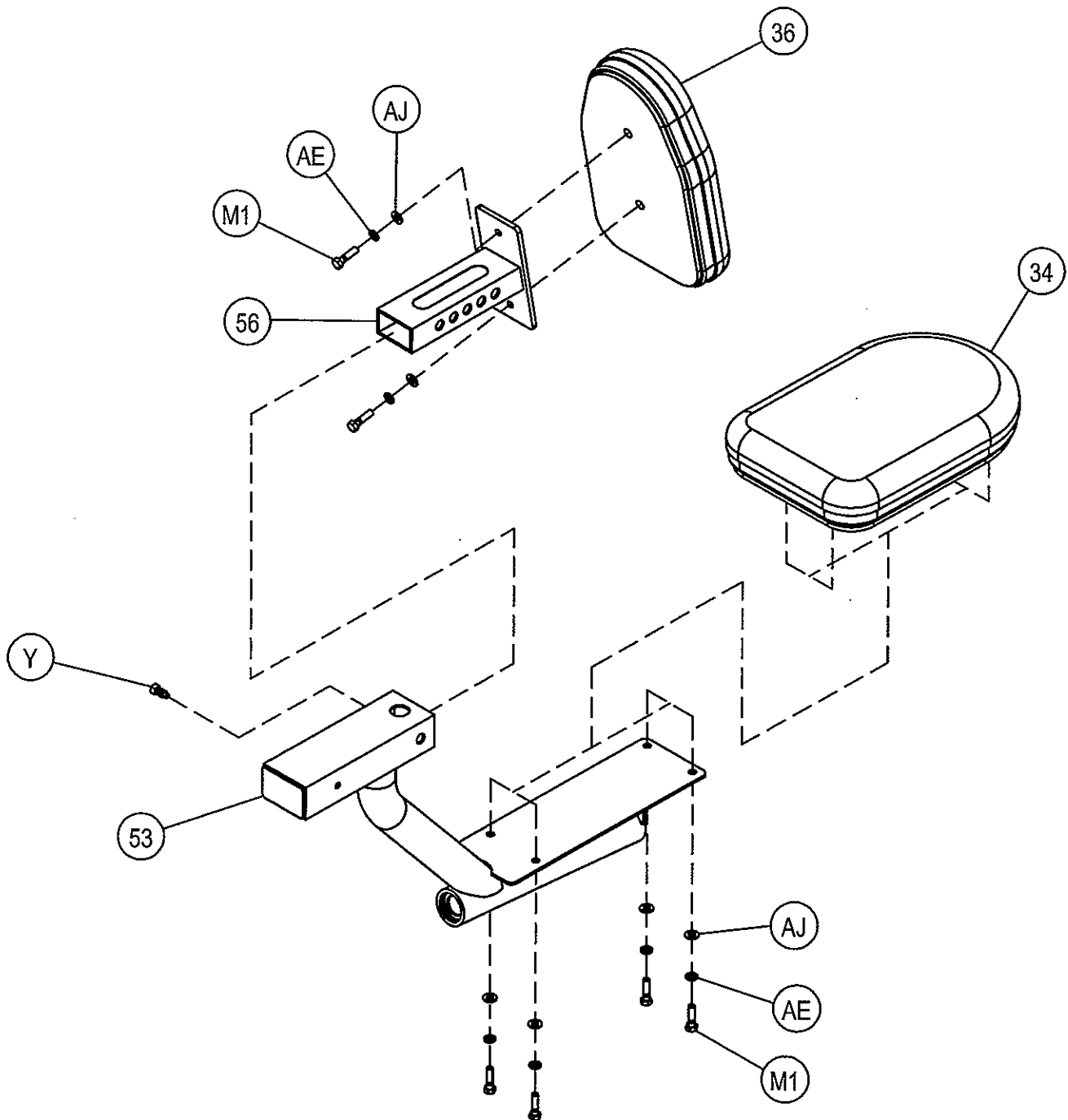
Part Descriptions

34 - Seat Pad Upholstery Assembly
36 - Back Pad Upholstery Assembly
53 - Seat Frame Assembly
56 - Chrome Adjuster Assembly

Hardware Descriptions

M1 - 5/16-18 x 1 1/4" HHB (WZ)
Y - 3/8-16 x 3/4" Square Head Set Screw
AJ - 5/16" USS Flat Washer (WZ)
AE - 5/16" Lock Washer (WZ)

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Step 3h SHIELD ASSEMBLY

Attach two (3)'s to (1). Wrench tighten bolts.
Note: Only the 4 middle bolts use locknuts.

Part Descriptions

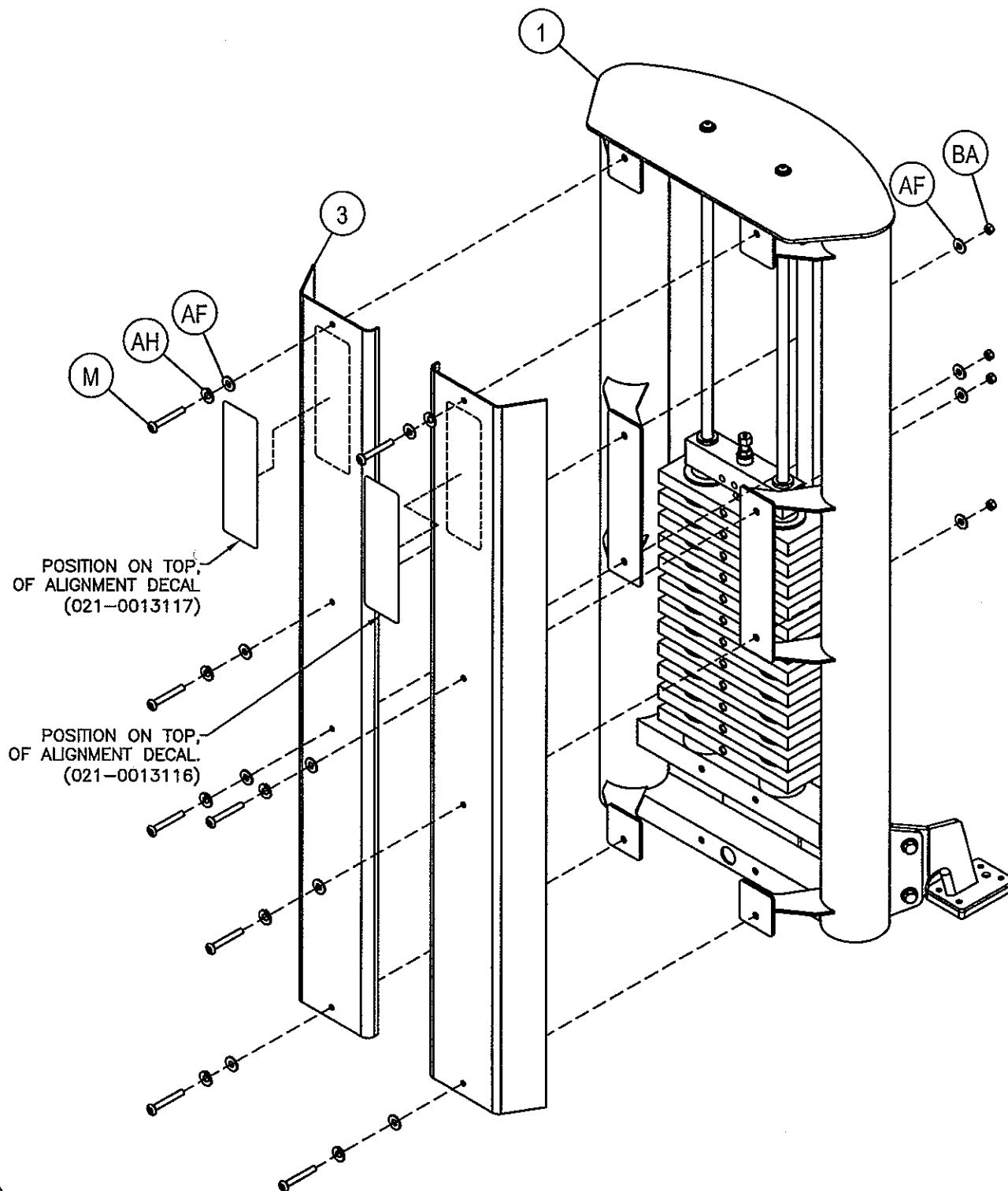
- 1 - Weight Cage Frame Assembly
- 3 - Front Shield Cover

Hardware Descriptions

- M - 5/16-18 x 1 1/4" BHS (BZ)
- AF - 5/16" Flat Washer (BZ)
- AH - 5/16" Internal lock Washer (BZ)
- BA - 5/16" Thin Lock Nut (BZ)

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NOTE: INSTRUCTOR DECAL 021-0013116 AND EXERCISE DECAL 021-0013117 MUST BE APPLIED TO SHIELDS BEFORE USE.



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Step 2i SHIELD ASSEMBLY

Attach and align all (CE) clips to holes in (CC) (if not previously installed). *NOTE: The clips (CE) have a lip on one side. This lip must be on weights stack side of (CC) as shown in DETAIL A-1.* Insert left side of (CC) into the left mounting rail on (1) (see DETAIL A-1). Secure with screw (S1). Next, wrap (CC) over (2) and while carefully arching a bow in (CC) slide the right side of (CC) into the right mounting rail on (1). Secure with screws (S1). In some cases, pressure may need to be applied behind clips (CE) to engage screws (S1).

IMPORTANT

Now that the KL2301 machine is completely assembled take time to assure that your unit is assembled square and perpendicular. To check this use a Level to check that the guide rods are perpendicular in both directions. If they are not perpendicular in both directions. It will be necessary to loosen some Frame hardware to re-align the Frame and retighten bolts.

Part Descriptions

1 - Weight Cage Frame Assembly

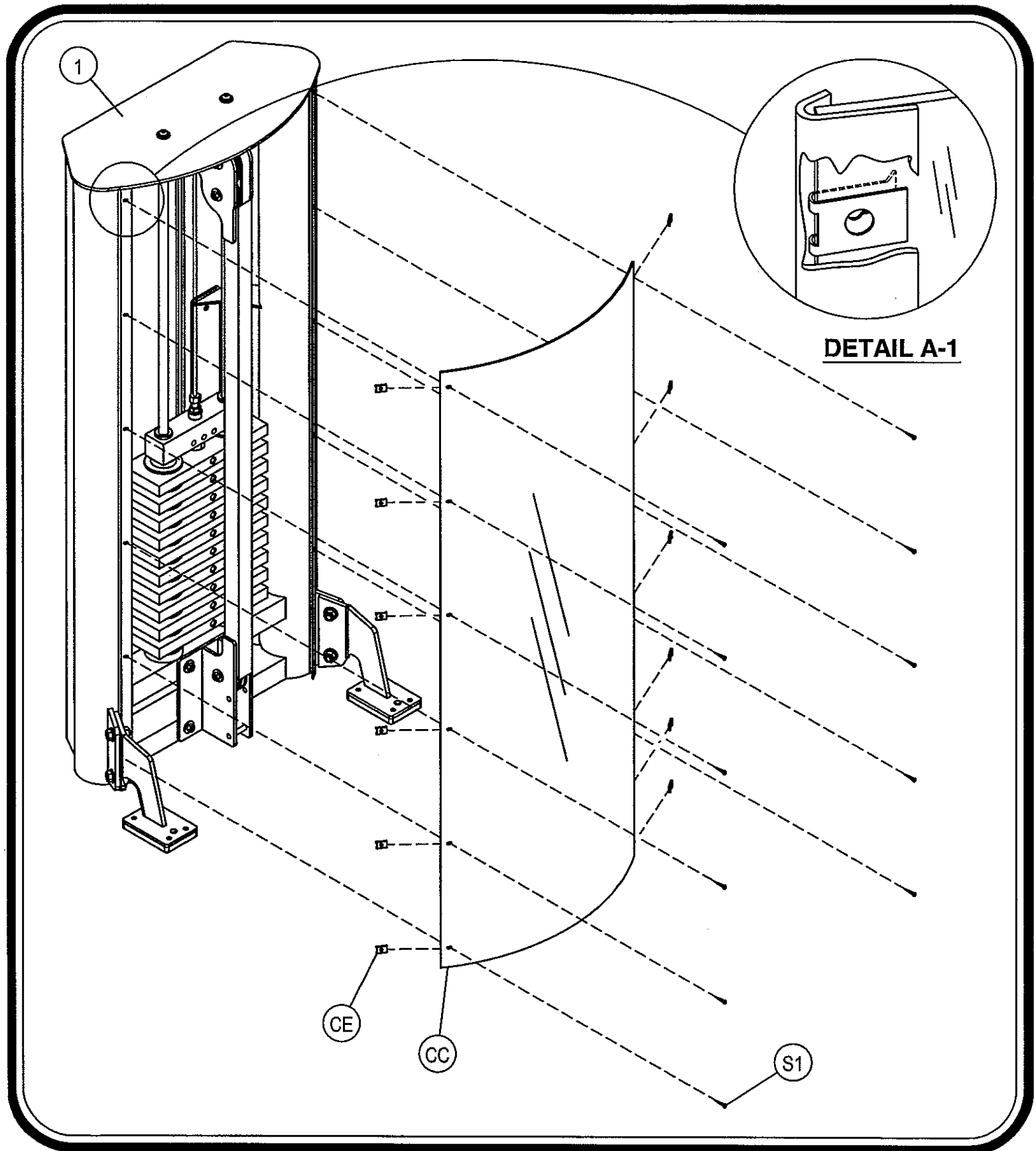
Hardware Descriptions

S1 - #8 - 5/8" LG Sheet Metal Screw

CC - Lexan Shield Cover

CE - .125 Panel U-Nut

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PRE-ASSEMBLY

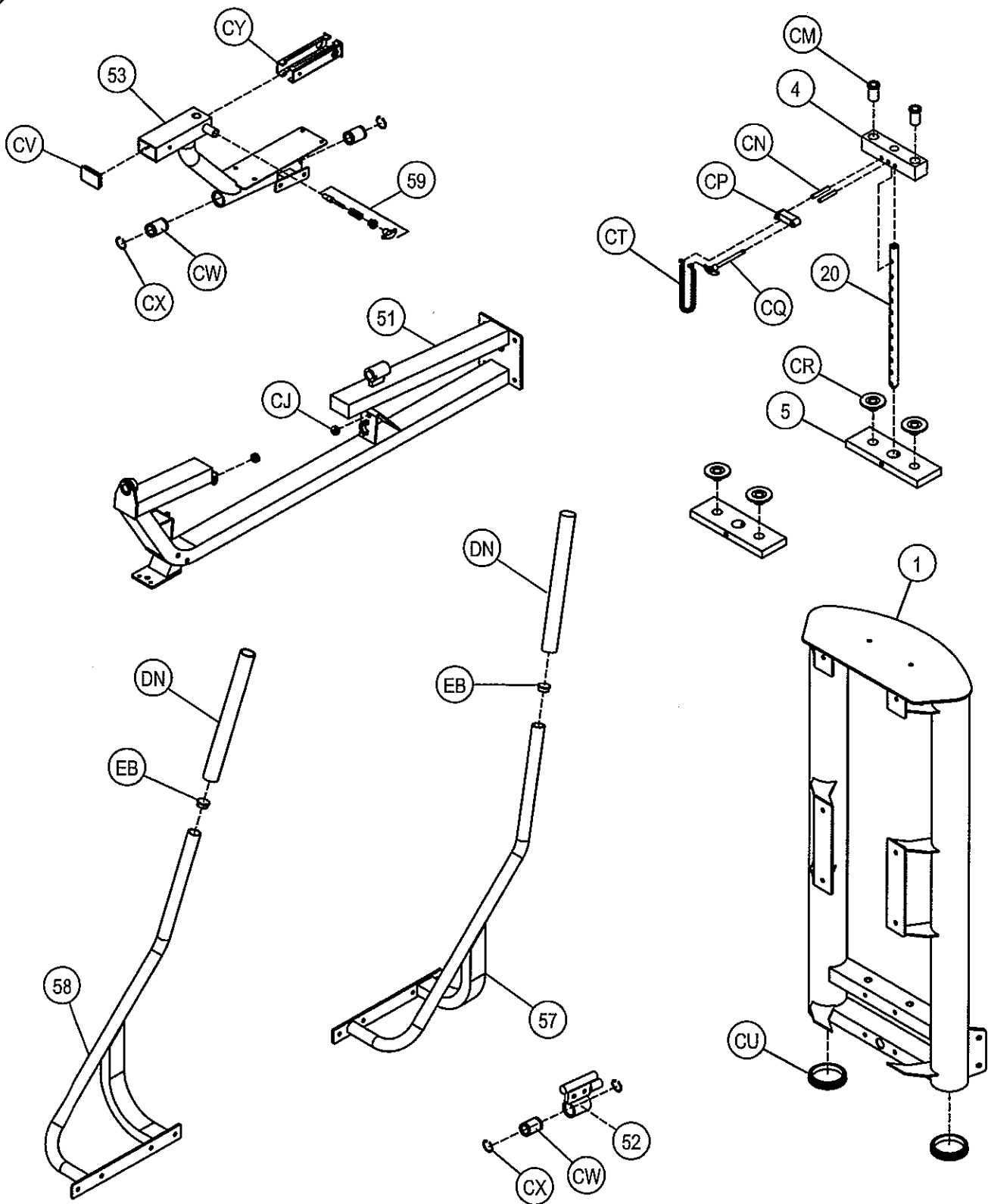
Part Descriptions

1 - Weight Cage Frame Assembly
4 - 8.25 lb. Top Weight
5 - 12.5 lb. Intermediate Weight
20 - 11 Holes Stem
51 - Base Frame Assembly
52 - Stabilizer Guide Assembly
53 - Seat Frame Assembly
57 - Right Arm Assembly
58 - Left Arm Assembly
59 - 1/2" Short Pullpin (Hex Head)

Hardware Descriptions

CJ - Plug Bumper
CM - Guide Rod Bushing
CN - Ø7/16" x 2 3/4" Roll Pin
CP - Lanyard/Selector Pin Stand Off
CQ - Selector Pin
CR - Intermediate Weight Bushing
CT - Lanyard Coil
CU - Ø4.50" x .120 Cap
CV - 2" x 3" Horizontal "H" End Cap
CW - 25mm Linear Bearing Super Self Aligning
CX - Snap Ring, Internal, Ø43.5mm x 1.75mmT
CY - EZ Glide Sleeve
DN - Ø1.50" x 10.00" Closed End Grip
EB - Ø1 1/2" End Cap

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PART LISTING

<u>Key#</u>	<u>Qty.</u>	<u>Part Number</u>	<u>Description</u>
1	1	026-01X1238	Weight Cage Frame Assembly
2	1	026-01X1242	Rear Supporter Frame Assembly
3	2	026-01P1133	Front Shield Cover
4	1	026-1300034	8.25 lb. Top Weight
5	10	026-01W0101	12.50 lb. Intermediate Weight
16	1	026-01PL355	0.75" x 7.00" x 25.00" Spacer
19	2	026-01G0172	Ø0.75" x 51" Guide Rod
20	1	026-01W0151	11 Holes Stem
24	1	026-01M0679	Ø25mm x 43.15" Linear Shaft
27	1	026-01M0680	Ø25mm x 33.96" Linear Shaft
34	1	022-01PD0088-A	Seat Pad Upholstery Assembly
36	1	022-01PD0090-A	Back Pad Upholstery Assembly
42	4	026-01M0682	Ø1.00" x 1.75" CRS Spacer
43	1	026-01X1272	Adjustable Cable Anchor
44	2	026-01M0666	Ø25mm Split Collar
51	1	026-01X1224	Base Frame Assembly
52	1	026-01X1237	Stabilizer Guide Assembly
53	1	026-01X1239	Seat Frame Assembly
56	1	026-01X1243	Chrome Adjuster Assembly
57	1	026-01X1226	Right Arm Assembly
58	1	026-01X1234	Left Arm Assembly
59	1	026-01X0185	1/2" Short Pullpin (Hex Head)
60	1	026-01X1241	Left Foot Plate Assembly
61	1	026-01X1240	Right Foot Plate Assembly

OWNERS MANUAL

HARDWARE LISTING

<u>Key#</u>	<u>Qty.</u>	<u>Part Number</u>	<u>Description</u>
A	4	011-0002047	5/16-18 x 1 1/4" FHS (BZ)
D	2	011-0101026	3/8-16 x 1" HHB (WZ)
F	3	011-0107007	3/8-16 x 2 1/2" HHB (WZ)
J	2	011-0107026	3/8-16 x 2 1/4" HHB (WZ)
M	8	011-0201007	5/16-18 x 1 1/4" BHS (BZ)
M1	6	011-0107029	5/16-18 x 1 1/4" HHB (WZ)
N	4	011-0201292	3/8-16 x 11.3mm BHS (WZ)
R	8	011-0407025	3/8-16 x 4" HHB (WZ)
S	1	011-0407027	3/8-16 x 1 3/4" HHB (WZ)
S1	12	011-0201012	#8 x 5/8" LG Sheet Metal Screw
T	2	011-0107022	3/8-16 x 5 HHB (WZ)
U	4	014-0019002	1/4-20 x 3/4" SHS (BZ)
V	2	011-0311001	5/16-18 UNC x 1/4" Set Screw
W	2	014-0015015	Snap Ring, Internal, Ø27.9mm x 1.2mmT
X	4	011-0107007	3/8-16 x 1.00" HHB (WZ)
Y	1	011-0311013	3/8-16 x 3/4" Square Head Set Screw
AB	38	013-0402005	3/8" USS Flat Washer (WZ)
AD	2	013-0102020	3/8" Split Lock Washer (WZ)
AE	6	013-0102021	5/16" Lock Washer (WZ)
AF	16	013-0302008	5/16" SAE Flat Washer (BZ)
AH	8	013-0206007	5/16" Internal Washer (BZ)
AJ	6	013-0102004	5/16" USS Flat Washer (WZ)
BA	8	012-0004005	5/16" Thin Lock Nut (BZ)
BC	20	012-0104008	3/8" Thin Lock Nut (WZ)
CA	1	026-01C254T	135.20" lg. Cable
CB	1	026-01PL350	SBR Rubber Foot Pad
CC	1	026-01PL347	Lexan Shield Cover
CD	20	026-01PL348	Weight Spacer
CE	12	014-0014003	.125 Panel U-Nut
CF	2	26-STD-06-0253	Weight Stack Bumper
CH	3	26-STD-06-0024	Ø3.50" Pulley
CI	4	26-STD-08-0010	1/2" Flanged Spacer
CJ	2	019-0001001	Plug Bumper
CM	2	026-01PL134	Guide Rod Bushing
CN	2	030-030310	Ø7/16" x 2 3/4" Roll Pin
CP	1	026-01PL291	Lanyard/Selector Pin Stand Off
CQ	1	026-01M0134	Selector Pin
CR	20	026-01W0122	Intermediate Weight Bushing
CT	1	010-0008001	Lanyard Coil
CU	2	026-01PL349	Ø4.50" x .120 Cap
CV	1	026-01PL192RH	2" x 3" Horizontal "H" End Cap
CW	3	014-0007007	25mm Linear Bearing Super Self Aligning
CX	4	014-0015016	Snap Ring, Internal, Ø43.5mm x 1.75mmT
CY	2	026-01PL125	EZ Glide Sleeve
DN	2	019-0002004	Ø1.50" X 10.00" LG Closed End Grip
DS	2	026-01PL343	Molded Plastic Foot Plate
EB	2	016-0201003	Ø1 1/2" End Cap

OWNERS MANUAL

ABBREVIATION LISTING

BZ = Black Zinc

WZ = White Zinc

FHS = Flat Head Screw

BHB = Button Head Bolt

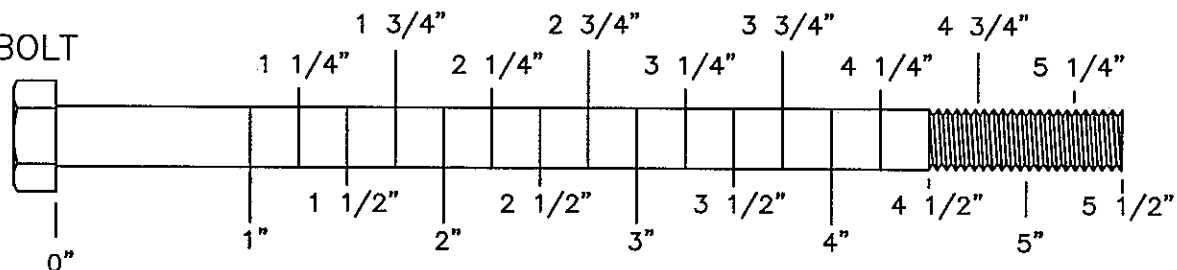
BHS = Button Head Screw

SHS = Socket Head Screw

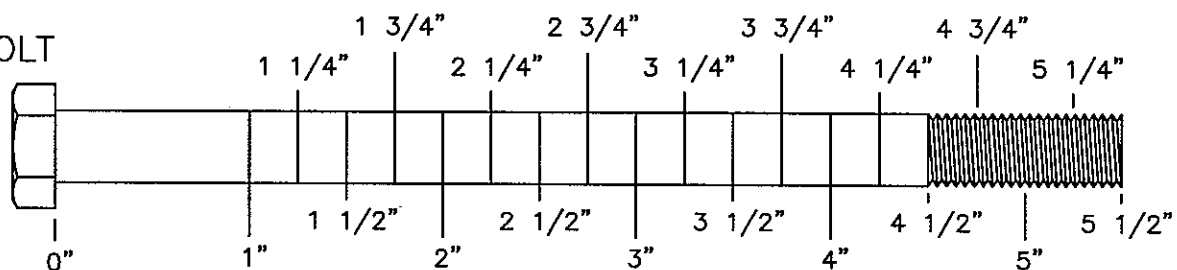
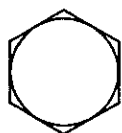
HHB = Hex Head Bolt

OWNERS MANUAL

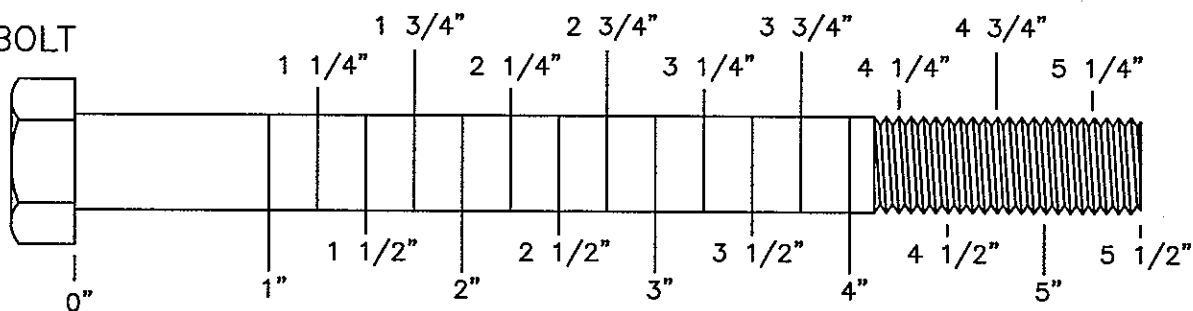
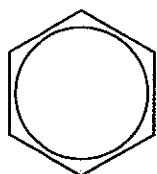
5/16" HEX BOLT



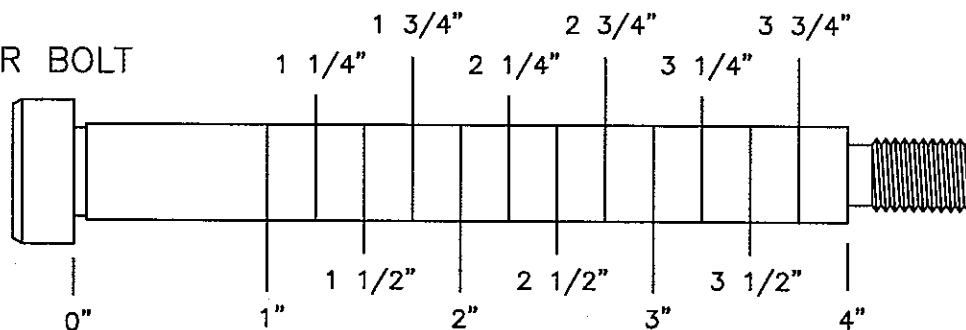
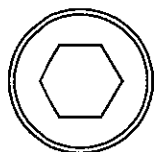
3/8" HEX BOLT



1/2" HEX BOLT

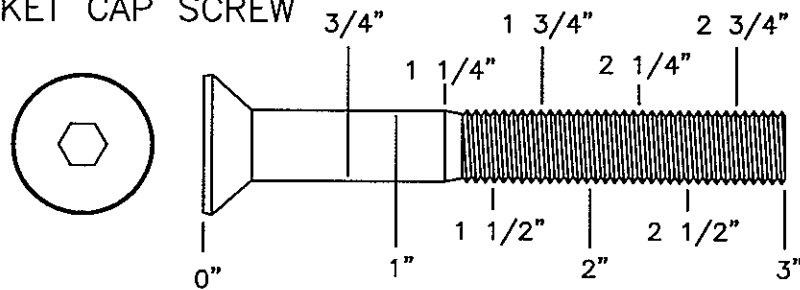


1/2" SHOULDER BOLT

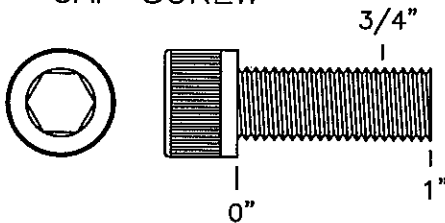


OWNERS MANUAL

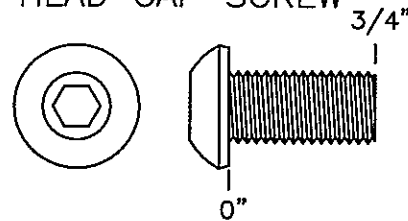
3/8" FLATHEAD
SOCKET CAP SCREW



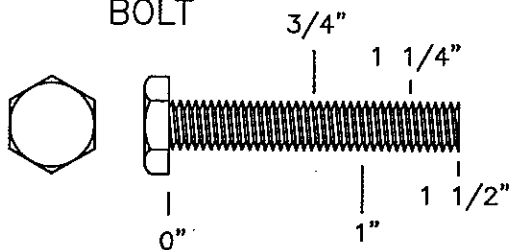
3/8" SOCKET
CAP SCREW



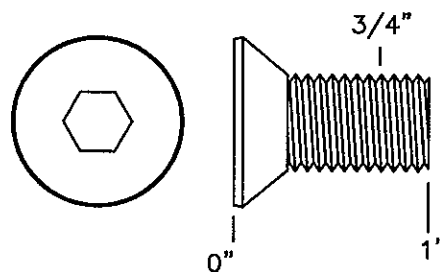
3/8" BUTTON
HEAD CAP SCREW



1/4" HEX
BOLT

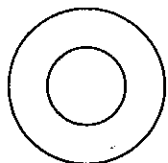


1/2" FLATHEAD
SOCKET CAP SCREW

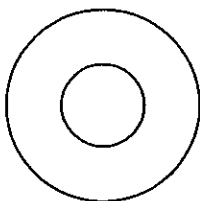


OWNERS MANUAL

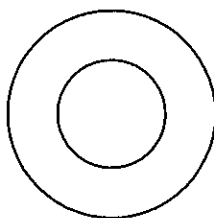
5/16"
FLAT WASHER
LARGE, USS, 25mm



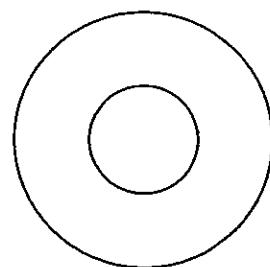
3/8"
FLAT
WASHER



1/2"
FLAT WASHER
SMALL, SAE, 26mm



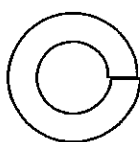
1/2"
FLAT WASHER
LARGE, USS, 34mm



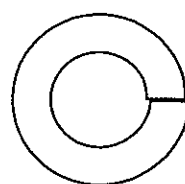
1/4"
LOCK WASHER



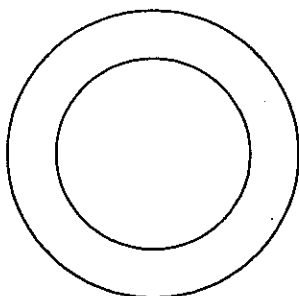
3/8"
LOCK WASHER



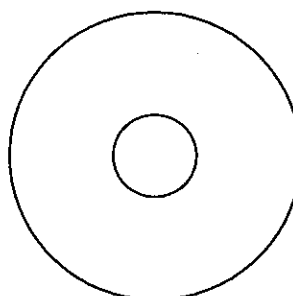
1/2"
LOCK WASHER



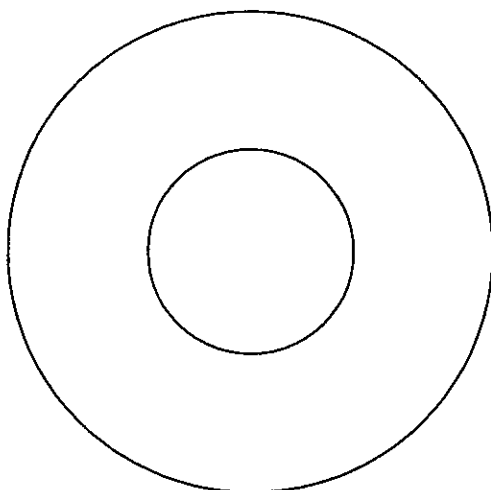
1" SHIM WASHER



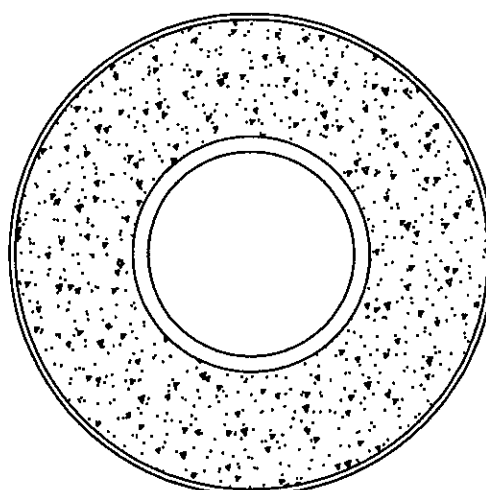
3/8" FENDER WASHER



1 1/16"
FENDER WASHER

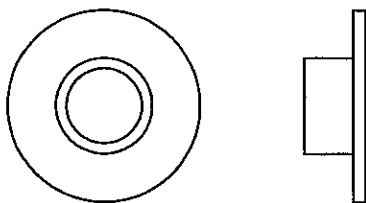


PLASTIC 1 1/16"
FENDER WASHER

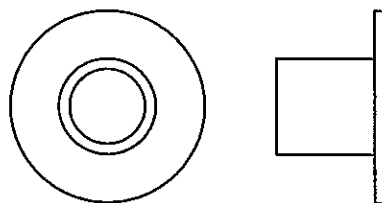


OWNERS MANUAL

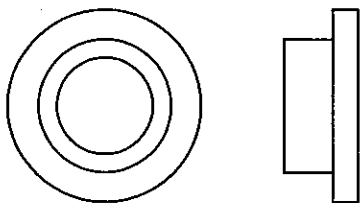
1/4" LONG
FLANGED SPACER



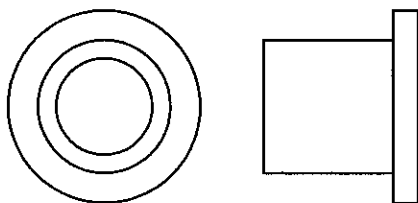
1/2" LONG
FLANGED SPACER



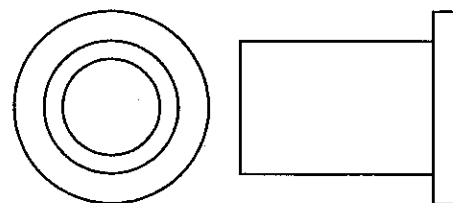
1/4" LONG HEAVY
FLANGED SPACER



11/16" LONG HEAVY
FLANGED SPACER



1" LONG HEAVY
FLANGED SPACER



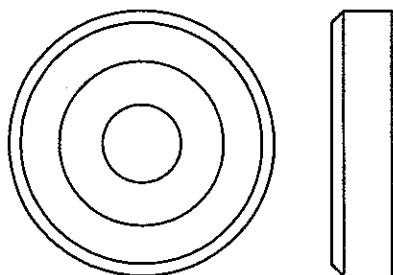
1/2" LONG
SPACER



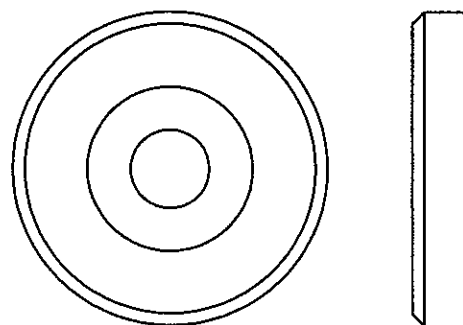
1" LONG
SPACER



1 3/8" ALUMINUM
FLATHEAD CAP



1 5/8" ALUMINUM
FLATHEAD CAP



OWNERS MANUAL

WEIGHT TRAINING TIPS

Always consult your physician before starting any exercise program.

Hoist equipment is designed to maximize your time spent working out. Having an exercise routine planned out in advance will allow you to get the most benefit out of the time spent exercising, and will also enable you to work all the major muscle groups.

Warm up properly before engaging in weight resistance training. Stretching, yoga, jogging, calisthenics or other cardiovascular exercise can help prepare your body for the heavier workload of lifting weights.

Learn how to perform the exercise correctly before using heavy weight. Correct form is important to avoid injury and to ensure that you work the proper muscle groups.

Know your limitations. If you are new to weight training or are embarking on an exercise regimen after a long layoff, start slowly and build foundational strength over a longer period of time.

Pay attention to your breathing. Exhale when you exert is a general rule of thumb. Never hold your breath.

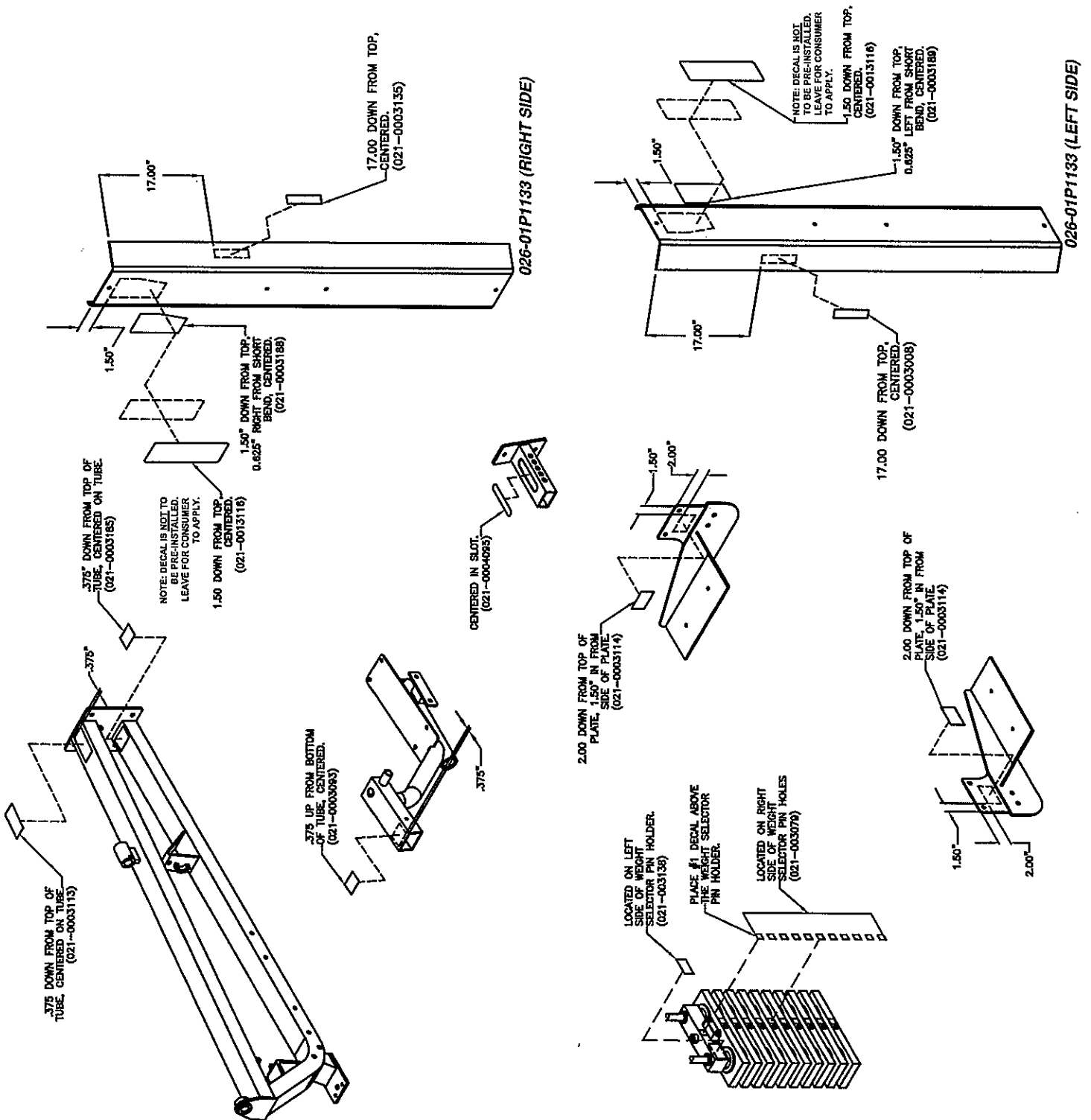
OWNERS MANUAL

WEIGHT TRAINING EXERCISE LOG

S = Sets **R** = Repetition per set **W** = Weight used

[illegible]

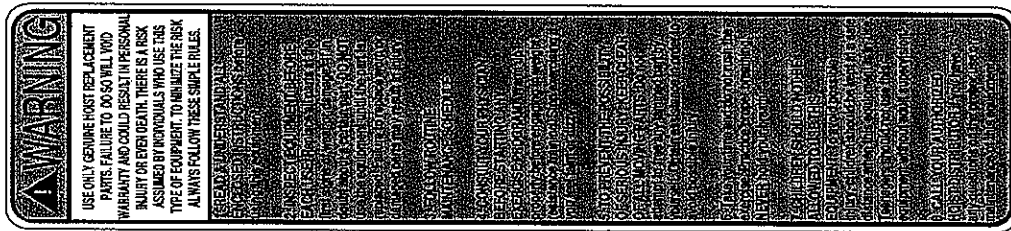
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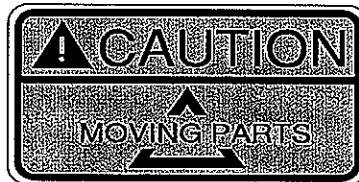
DECAL REFERENCE

NOTICE				
COMMERICAL MAINTENANCE	Daily	Weekly	Monthly	Yearly
Inspect: Links, Pull Pins, Snap Locks, Swivels, Weight Slack Pins	X			
Clean: Unlustrary	X			
Inspect: Cables or Belts and their tension	X			
Inspect: Accessory Bars and Handles		X		
Inspect: All Decals		X		
Inspect: All nuts and Bolts Tighten if Needed.		X		
Inspect: Anti-Skid Surfaces		X		
Clean & Lubricate, Guide Rods with a Teflon (PTFE) based lubricant (Superlube)		X		
Lubricate, Seat Shafts, Turntable Bushings, Linear Bearing				
Clean & Wax, All Glossy Finishes			X	
Repack with Grease Linear Bearings			X	
Replace, Cables, Belts and Connecting Parts.				X

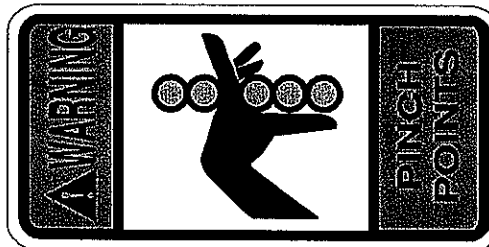
021-0003008



021-0003135



021-0003093



021-0003113

OWNERS MANUAL

DECAL REFERENCE



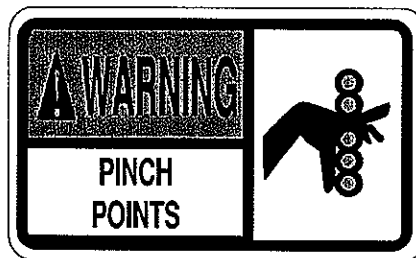
021-0003079



021-0004095



021-0003114



021-0003138



021-0003185

SERIAL # DECAL; Always refer to the number shown on your piece of equipment when talking to customer service or ordering parts.

OWNERS MANUAL

DECAL REFERENCE

KL 2301 BENCH PRESS

INSTRUCTOR GUIDELINES

Primary Muscles Used:

Pectorals (chest), Anterior Deltoids (front of shoulders), Triceps (back of upper arms).

Joint Action:

Shoulder Flexion and Elbow Extension.

Instructions:

Adjust the back pad so that when the child is seated, the vertical exercise handles are even with the front of the child's chest. Have the child grasp the handles and place their feet on the footrests. The child should adjust their hands to keep their wrists straight and their thumbs facing towards their body.

Exercise Action:

From the seated position the child will push against the handles moving themselves rearward, until their arms are almost fully extended. Be sure the child's elbows stay in close to their body. Return the seat to the starting position to repeat the exercise.

Exercise movements should be slow and controlled. Have the child sit upright. Do not allow their hips to move out away from the back pad. **AT NO TIME DURING THE EXERCISE MOVEMENT SHOULD THE CHILD LET GO OF THE EXERCISE HANDLES, PUSH THE SEAT SO FAST THAT THEIR HANDS LEAVE THE HANDLES OR REMOVE THEIR FEET FROM THE FOOTRESTS.**

Instruct the child to breathe during each exercise; **IN** prior to beginning the exercise, **OUT** during the exertion, and **IN** while returning the weight to the starting position. **BE CERTAIN THE CHILD DOES NOT HOLD THEIR BREATH DURING THE EXERCISE.**

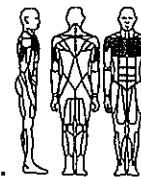
For more detailed instructions be sure to consult your owners manual.



021-0013116

KL 2301 BENCH PRESS

EXERCISE GUIDELINES



Primary Muscles Used:

Pectorals (Chest), Anterior Deltoids (front of shoulders), Triceps (back of upper arms).

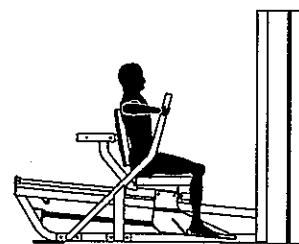
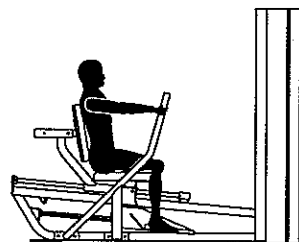
Instructions:

Adjust the back pad to the proper position to allow handles with thumbs up and elbows held close to the body.

Action:

Press the handles to move the seat back in a controlled motion. Return to start position and repeat.

Be certain to breathe properly.



Do not use this equipment without
an instructors supervision.

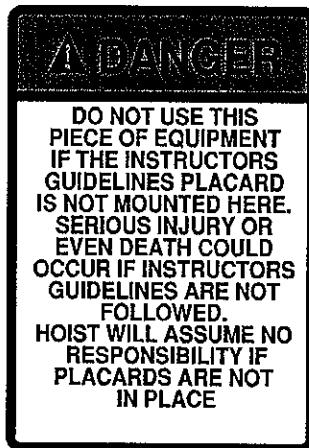


021-0013117

OWNERS MANUAL

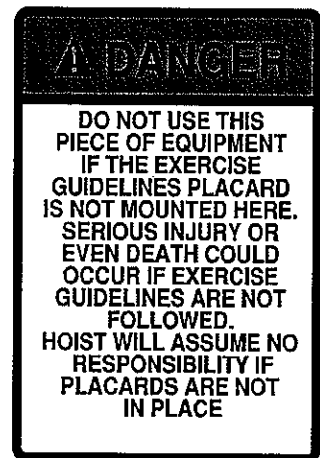
DECAL REFERENCE

TOP LEFT CORNER OF
INSTRUCTORS
GUIDELINES PLACARD
LINES UP HERE



021-0003188

TOP RIGHT CORNER OF
EXERCISE
GUIDELINES PLACARD
LINES UP HERE



021-0003189

OWNERS MANUAL

MAINTENANCE SCHEDULE

ROUTINE	COMMERCIAL MAINTENANCE	HOME MAINTENANCE	LATEST DATE ENTRY											
Inspect; Links, Pull Pins, Snap Locks, Swivels, Weight Stack Pins	DAILY	WEEKLY												
Clean; Upholstery	DAILY	WEEKLY												
Inspect; Cables or Belts and their tension	DAILY	WEEKLY												
Inspect; Accessory Bars, and Handles	WEEKLY	3 MONTHS												
Inspect; All Decals	WEEKLY	3 MONTHS												
Inspect; All Nuts and Bolts, Tighten if needed	WEEKLY	3 MONTHS												
Inspect; Anti-Skid Surface	WEEKLY	3 MONTHS												
Clean & Lubricate; Guide Rods with a Teflon (PTFE) based lubricant (Superlube)	MONTHLY	3 MONTHS												
Lubricate; Seat Sleeves, Turcite Bushings, Linear Bearing	MONTHLY	3 MONTHS												
Clean and Wax; All Glossy Finishes	6 MONTHS	YEARLY												
Repack with Grease; Linear Bearings	6 MONTHS	YEARLY												
Replace; Cables, Belts and Connecting Parts	YEARLY	3 YEARS												

Your equipment comes with a commercial maintenance decal.

For personal, in home use, please follow the home maintenance schedule listed above.

OWNERS MANUAL

HOIST FITNESS SYSTEMS GENERAL MAINTENANCE INFORMATION

Links, Pull-Pins, Snap Locks, Swivels, Weight Stack Pins:

- *Check all pieces for signs of visible wear or damage.*
- *Check springs in snap hooks and pull-pins for proper tension and alignment.*
- *If the spring sticks or has lost its rigidity, replace it immediately.*

Upholstery:

- *To ensure prolonged upholstery life and proper hygiene, all upholstered pads should be wiped down with a damp cloth after every workout.*
- *Periodically take the time to use a mild soap or an approved vinyl upholstery cleaner to deter the onset of cracking or drying. Avoid using any abrasive cleaners or cleaners not intended for use on vinyl.*
- *Replace ripped or worn upholstery immediately.*
- *Keep sharp or pointed objects clear of all upholstery.*

Guide Rods:

- *Wipe clean with a dust free rag. Lubricate once a week with a Silicon or Teflon based lubricant.*

Decals:

- *Inspect and familiarize yourself with any safety warnings or other user information posted on each decal.*

Nuts and Bolts:

- *Inspect all nuts and bolts for any loosening and tighten if needed.*
- *Go through a re-tightening sequence periodically to ensure that all hardware is tensioned proper.*

Anti-Skid Surfaces:

- *These surfaces are designed to supply secure footing and need to be replaced if they appear worn or become slippery.*

Belts and Cables:

- *Hoist uses only high quality belt, and mil-spec cables.*
- *Visually inspect the belts and cables for fraying, cracking, peeling or discoloration.*
- *While the machine is not in use, carefully run your fingers along the belt or cable to feel for thinning or bulging areas.*
- *Replace belts and cables immediately at the first signs of damage or wear. Do not use equipment until belts or cables has been replaced.*

OWNERS MANUAL

GENERAL MAINTENANCE INFORMATION (CONTINUED)

Belt and Cable Tension:

**Referring to the Owners Manual, when belts or cables are used check all bolts attachments to be sure they are properly attached.*

**Check slack in cables and re-adjust cable tension if needed.*

Seat Sleeves, Turcite Bushings:

**Wipe down adjusting tubes with a dust free rag before applying lubricant.*

**Lubricate seat sleeves and turcite bushings with a Silicon or Teflon based lubricant spray.*

Linear Bearings:

**Referring to the Owners Manual carefully dis-assemble the bearing from its housing and place a finger full of light grease (lithium, super lube, etc.) into the inside of the bearing. Using your finger, press the grease into the ball-bearings and their tracks. repeat until the ball-bearing tracks are full of grease. Insert the shaft back into the bearing and wipe off excess grease.*

PLEASE KEEP THIS FOR YOUR RECORDS

OWNERS MANUAL

HOIST FITNESS SYSTEMS LIMITED LIFETIME WARRANTY

Hoist Fitness Systems warrants this product to the **original purchaser** to be free from defects in workmanship and/or materials under normal use or service. If at any time a component part is defective, Hoist Fitness Systems shall repair or replace it (at Hoist Fitness Systems option) within a reasonable period of time. This warranty does not cover costs of removal, transportation or reinstallation. This warranty shall not apply if the defect was caused by misuse, neglect or normal wear and tear.

Starting from the original date of purchase, normal wear and tear shall be considered as the following:

COMMERCIAL USE: All malfunctions of upholstery, grips, paint, and chrome that occur after 180 days; all malfunctions of electronic components, belts, or cables after one year; all malfunctions of pulleys, bearings, or bushings that occur after five years. The frame and all welded components are warranted for the life of the product.

HOME USE: All malfunctions of grips, paint, and chrome that occur after one year; all malfunctions of electronic components, belts, cables, or upholstery that occur after three years; all malfunctions of pulleys, bearings, or bushings that occur after five years. The frame and all welded components are warranted for the life of the product.

Hoist Fitness Systems sole responsibility shall be to repair or replace the component within the terms stated above. Hoist Fitness Systems shall not be liable for any loss or damage of any kind including any incidental or consequential damages resulting, directly or indirectly from any warranty expressed or implied or any other failure of this product.

WHAT IS NOT COVERED BY THIS WARRANTY

Hoist's sole obligation under this warranty is limited to either repair or replacement of parts, subject to the additions below. This warranty neither assumes nor authorizes any person to assume obligations other than expressly covered by this warranty.

NO CONSEQUENTIAL DAMAGES. Hoist is not responsible for economic loss; profit loss; or special, indirect, or consequential damages.

WARRANTY IS NOT TRANSFERABLE. This warranty is not assignable and applies only in favor of the original purchaser/user to whom delivered. Any such assignment or transfer shall void the warranties herein made and shall void all warranties, expressed, implied or statutory, except the one (1) and five (5) year warranties described above. These warranties are exclusive and in lieu of all other warranties, including implied warranty and merchantability or fitness for a particular purpose. There are no warranties which extend beyond the description on the face hereof.

ALTERATION, NEGLIGENCE, ABUSE, MISUSE, NORMAL WEAR & TEAR, ACCIDENT, DAMAGE DURING TRANSIT OR INSTALLATION FIRE, FLOOD, ACTS OF GOD. Hoist is not responsible for the repair or replacement of any parts that Hoist determines have been subjected after the date of manufacture to alteration, neglect, abuse, misuse, normal wear & tear, accident, damage during transit or installation, fire, flood, or an **ACT OF GOD**.

TRANSPORTATION COSTS. Hoist will accept parts covered under this warranty freight collect, provided that shipment has received prior approval. Hoist is not responsible for any other transportation costs, but will ship freight collect parts either repaired or replaced under these warranties.

WARRANTY CLAIMS. All claims should include: model number, the serial number, proof of purchase, date of installation, and all pertinent information supporting the existence of the alleged defect.

Hoist Fitness Systems
9990 Empire St. #130
San Diego, Calif. 92126
(800)548-5438
Web Site - www.hoistfitness.com

PLEASE KEEP THIS FOR YOUR RECORDS